Thank you for purchasing this Alpine product. Please take a moment to protect your purchase by registering your product now at the following address: www.alpine-usa.com/registration. You will be informed of product and software updates (if applicable), special promotions, news about Alpine, and entered for a chance to win prizes.


Gracias por adquirir este producto Alpine. Con solo unos pocos pasos podrá proteger su producto, registrándolo a través de la siguiente dirección: www.alpine-usa.com/registration. Recibirá información sobre nuevos productos y software, promociones especiales, novedades sobre Alpine y participará en el sorteo de premios.
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LIMITED WARRANTY
Operating Instructions

**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 NOISES WHILE DRIVING.**

Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

**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 BATTERIES 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 Center for repairing.

---

**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.

**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. “Error” will be displayed on your player if you insert a disc incorrectly. If “Error” continues to be displayed even though the disc has been inserted correctly, 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
To prevent the CD from jamming, “Error” is displayed if discs with irregular surfaces are inserted or if discs are inserted incorrectly. When a new disc is ejected immediately after initial loading, use your finger to feel around the inside of the center 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 discs only for this unit and never use any special shaped discs. Use of anything but round discs may cause damage to the mechanism.

Installation Location
Make sure this unit 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 center 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.

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 there are no bumps around the disc.
• 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 CD and you may not be able to play it again.

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.

About media that can be played
Use only compact discs with the label side showing the CD logo marks below.

If you use unspecified compact discs, correct performance cannot be guaranteed.
You can play CD-Rs (CD-Recordables)/CD-RWs (CD-ReadWritables) which have been recorded only on audio devices. You can also play CD-Rs/CD-RWs containing MP3/WMA/AAC formatted audio files.
• Some of the following CDs may not play on this unit: Flawed CDs, CDs with fingerprints, CDs exposed to extreme temperatures or sunlight (e.g., left in the car or this unit), CDs recorded under unstable conditions, CDs 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/AAC files written in a format compatible with this unit. For details, refer to “About MP3/WMA/AAC” on page 15.
• ROM data other than audio files contained in a disc will not produce sound when played back.

Protecting the USB connector
• Only a Flash Memory or iPod/iPhone can be connected to the USB port on this unit. Correct performance using other USB products cannot be guaranteed.
• If the USB connector is used, be sure to use a USB extension cable (supplied). A USB hub is not supported.
• Depending on the connected Flash Memory device, the unit may not function or some functions may not be performed.
• The audio file format that can be played back on the unit is MP3/WMA/AAC.
• Artist/song name, etc., can be displayed. Certain, special characters may not be correctly displayed.

On Handling Flash Memory

⚠️ CAUTION
Alpine accepts no responsibility for lost data, etc., even if data, etc. is lost while using this product.
• To prevent malfunction or damage, note the following points. Read the Flash Memory Owner’s Manual thoroughly.
  Do not touch the terminals by hand or metal.
  Do not subject Flash Memory to excessive shock.
  Do not bend, drop, disassemble, modify or soak in water.
• Avoid usage or storage in the following locations:
  Anywhere in the car exposed to direct sunlight or high temperatures.
  Anywhere the possibility of high humidity or corrosive substances are present.
• Fix the Flash Memory in a location where driver operation will not be hindered.
• Flash Memory may not function correctly at high or low temperature.
• Use only certified Flash Memory. Pay attention that even certified Flash Memory, may not function correctly depending on its type or state.
• Flash Memory function is not guaranteed. Use Flash Memory according to the terms of agreement.
• Depending on the settings of the Flash Memory type, memory state or encoding software, the unit may not play back or display properly.
• A file that is copy-protected (copyright protection) cannot be played back.
• Flash Memory may take time to start playback. If there is a particular file other than audio in the Flash Memory, it may take considerable time before the file is played back or searched.
• The unit can play back “mp3,” “wma” or “m4a” file extensions.
• Do not add the above extensions to a file other than audio data. This non-audio data will not be recognized. The resulting playback may contain noise that can damage speakers and/or amplifiers.
• It is recommended to back up important data on a personal computer.
• Do not remove the USB device while playback is in progress. Change SOURCE to something other than USB, then remove the USB device to prevent possible damage to its memory.
Accessory List

- Head unit .................................................................................. 1
- Power cable ............................................................................... 1
- USB extension cable ................................................................. 1
- Microphone .............................................................................. 1
- Mounting sleeve ....................................................................... 1
- Carrying case ............................................................................ 1
- Bracket Key ............................................................................... 2
- Screw (M5 × 8) .......................................................................... 4
- Owner’s Manual.................................................................. 1 set

Turning Power On and Off

Press /  to turn on the unit.

Notes
- The unit can be turned on by pressing any other button except .
- /SOURCE key blinks each time the unit is powered on.

Press and hold /  for at least 2 seconds to turn off the unit.

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

Source Selection

Press / SOURCE to change the source.
HD Radio → SiriusXM*1 → Disc → USB/iPod*2 →
BLUETOOTH Audio*3 → PANDORA*4 → Auxiliary*5 → HD Radio

*1 Displayed only when a SiriusXM Tuner is connected.
*2 Displayed only when the iPod/iPhone is connected.
*3 Displayed only when Bluetooth IN is set to ON, refer to “Setting the BLUETOOTH Connection (Bluetooth IN)” on page 30.
*4 Not displayed when Alpine APP is set to OFF, refer to “Setting the communication mode with a Smartphone (Alpine APP)” on page 28.
*5 Displayed only when the AUX IN is set to ON, refer to “Setting the AUX SETUP mode” on page 26.

Detaching and Attaching the Front Panel

Detaching

1 Turn off the unit power.
2 Press (OPEN) to open the front panel (figure 1).
To close the front panel, press the left side until it locks as shown in the figure 2.
3 Grasp the front panel firmly, slide to the left ①, and then pull ② to remove.

Notes
- 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.
- When detaching the front panel, do not apply excessive force as it may result in malfunction.
- Do not leave the front panel open, or drive the car with the panel open as it may result in an accident or malfunction.

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.

Notes
- 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. Press (OPEN) to open the front panel, and then remove it.
3. Press RESET with a ballpoint pen or similar pointed object.

Lowering Volume Quickly

Activating the Audio Mute function will instantly lower the volume level by 20 dB.

1. Press MUTE to activate the MUTE mode.
   The audio level will decrease by about 20 dB.
2. Pressing MUTE again will bring the audio back to its previous level.

Setting the Time and Calendar

1. Press and hold AUDIO/SETUP for at least 2 seconds to activate the SETUP selection mode.
2. Turn the Rotary encoder to select the General mode, and then press /ENTER.
3. Turn the Rotary encoder to select Clock Adjust, and then press /ENTER.
4. Turn the Rotary encoder to set year.
5. Press /ENTER.
6. Repeat steps 4 and 5 above to set month, date, hour and minute.
7. Press and hold AUDIO/SETUP for at least 2 seconds to return to normal mode.

Notes
• Pressing returns to the previous SETUP mode.
• If no operation is performed for 60 seconds, SETUP is canceled.
This unit is able to receive signals based on the terrestrial digital radio broadcasting standard. When current AM/FM broadcasters are transmitting digital audio and data services, HD Radio signals are on-the-air in their service area. You can receive their digital broadcast and enjoy high quality sound. Depending on the Listen Mode setting, this unit will tune to either the Digital or Analog signals. For details, please refer to “Switching the listening mode” on page 27.

While receiving a live, HD Radio broadcast, you can switch to either the Digital or Analog signal for listening. For details, refer to “Setting the Live mode (Live Mode)” on page 27.

**Listening to Radio**

1. Press ➕/SOURCE to select HD Radio mode.
2. Press BAND repeatedly until the desired radio band is displayed.
   - FM1 → FM2 → AM → FM1
3. Press TUNE/A.ME to select the tuning mode.
   - DX (Distance mode) → LOCAL (Local mode) → MANUAL (Manual mode) → DX
   - **Note**
     - 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.
   - **Note**
     - If SEEK type is set to Digital, only Digital HD Radio stations are found using the SEEK UP/DOWN function. Refer to “Setting the Digital Seek” on page 27.

**Presetting Stations Manually**

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 number and station frequency memorized.
   - **Notes**
     - A total of 18 stations can be stored in the preset memory (6 stations for each band; FM1, FM2 and AM).
     - 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.

**Presetting Stations Automatically**

1. Press BAND repeatedly until the desired radio band is displayed.
2. Press and hold TUNE/A.ME for at least 2 seconds.
   - The tuner will automatically seek and store 6 strong stations in the selected band. They will be stored into preset 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.
   - **Notes**
     - If no stations are stored, the tuner returns to the station you were listening to before the auto memory procedure began.
     - Sub-program service of Multicast stations are not included in the automatic memory search.

**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.
   - **Note**
     - If the digital signal for any service becomes weak, none of the digital features are available. For example, a Multicast channel recalled from preset memory will revert to the Main Program Service with loss of the digital signal ("Signal Loss" is displayed). Upon return of the digital signal strength, the tuner will resume playback of the Multicast channel.
Frequency Search Function

You can search for a radio station by its frequency.

1. Press \press{F} /\press{E}NTER in Radio mode to activate the search mode.

2. Turn the Rotary encoder to select “Frequency SEARCH”, and then press \press{F} /\press{E}NTER to enter the frequency search mode. *
   * Operation is not required when Listen Mode is set to Analog (refer to “Switching the listening mode” on page 27).

3. Turn the Rotary encoder to select the desired frequency.

4. Press \press{F} /\press{E}NTER to receive the selected frequency.

Note
- Press \press{F} in the search mode to cancel. Or, the search mode will be canceled if no operation is performed for 60 seconds.

Receiving a Multicast Station

Multicasting is the Ability to broadcast multiple program streams over a single FM frequency. This increases the amount and diversity of content choices. A maximum of eight multicast station channels can be selected on this unit.

Note
- Make sure Listen Mode is set to other than Analog (refer to “Switching the listening mode” on page 27).

When multicast station is received, the program number and the Multicast indicator lights up. Press \press{F} or \press{H} to select the desired program service.*

Receiving the Multicast Station Program Service.

<table>
<thead>
<tr>
<th>Program No.</th>
<th>Multicast Radio Station</th>
<th>Program Service</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>88.1 MHz</td>
<td>Main Program Service</td>
</tr>
<tr>
<td>2</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>3</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>4</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>5</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>6</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>7</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
<tr>
<td>8</td>
<td>88.1 MHz</td>
<td>Sub-program Service</td>
</tr>
</tbody>
</table>

* This operation can be performed only when Multi Cast Seek is set to ON (refer to “Setting the Multicast Seek” on page 27).

Multicast Station Search

If a frequency has a Multicast station broadcast, the Multicast indicator lights up. Use the Multicast search mode to select a desired program from the Multicast stations available.

Note
- Make sure Listen Mode is set to other than Analog (refer to “Switching the listening mode” on page 27).

1. Choose a frequency with the Multicast indicator on.

2. Press \press{F} /\press{E}NTER to activate the search mode.

3. Turn the Rotary encoder to select Multi Cast Search, and then press \press{F} /\press{E}NTER to enter the Multicast search mode.

4. Turn the Rotary encoder to select the desired station, and then press \press{F} /\press{E}NTER. The selected station is received.

Notes
- Press \press{F} VIEW at step 4. You can change the display between station name, song name, artist name and program type.
- The search mode will be canceled if no operation is performed for 60 seconds.

Storing the tag information

iTunes Tagging lets you tag songs heard on HD Radio stations. You can preview, buy and download later, songs from your iTunes tagged playlist the next time you sync your iPod/iPhone. If the unit is connected to a Tagging compatible iPod/iPhone, you can use the iTunes Tagging function. For details, refer to the Owner’s Manual of the Tagging compatible iPod/iPhone.

The Tag indicator will light when a song playing on an HD Radio station has tag information available.

Press and hold \press{F} /Tag to save its tag information.

If no iPod/iPhone is connected, “Tag Count X” is displayed (X is the total amount of the tag information stored in this unit).

Notes
- During tagging, the iPod/iPhone takes priority to save the tag information. If no iPod/iPhone is connected, the tag information is saved to this unit.
- When the memory of iPod/iPhone is full, “iPod Full” and “Tag Count X” are displayed. The tag information will be stored to the unit.
- If the operation is failed, “Cannot Tag” is displayed.
- This unit can store up to 50 pieces of tag information. When the memory of the unit is full, “Tag Count50” and “Memory Full” may be displayed.
- When an iPod that doesn’t support the tagging function is connected, “Non-Tagging iPod” may be displayed.
- When the iPod/iPhone is disconnected from the unit during tagging, its tag information will be stored in the unit.
- If there is stored tag information on the unit, when an iPod/iPhone supporting the tag function is connected, the stored tag information will be transferred to the iPod/iPhone automatically. When the iPod/iPhone memory becomes full, “iPod Full” will be displayed, and any remaining tag information on the unit will not be transferred to the iPod/iPhone.
- If tag information already exists, “Already Tagged” will be displayed when you try to tag information again.
About the Feature Logos

Digital Sound
• Digital, CD-quality sound. HD Radio Technology enables local radio stations to broadcast a clean digital signal. AM sounds like today's FM and FM sounds like a CD.

PSD
• Program Service Data: Contributes to the superior user experience of HD Radio Technology. Presents song name, artist, station IDs, HD2/HD3 Channel Guide, and other relevant data streams.

HD2/HD3
• Adjacent to traditional main stations are extra local FM channels. These HD2/HD3 Channels provide new, original music as well as deep cuts into traditional genre.

iTunes® Tagging
• iTunes® Tagging provides you the opportunity to discover a wide range of content and the means to “tag” that content for later review and purchase from the iTunes® Store.

CD/MP3/WMA/AAC

Playback
1. Press (OPEN).
   The front panel will open.
2. Insert a disc with the label side facing up.
   The disc will be pulled into the unit automatically.
3. Close the front panel manually.
   Note
   • When a disc is already inserted, press /SOURCE to switch to the Disc mode.
4. While playing back MP3/WMA/AAC, press 1 or 2 to select the desired folder.
   Pressing and holding 1 or 2 will change folders continuously.
5. Press 1 or 2 to select the desired track (file).
   Pressing and holding 1 or 2 will fast backward/fast forward track continuously.
6. To pause playback, press .
   Pressing will again will resume playback.
7. After pressing (OPEN) to open the front panel, press to eject the disc.

Notes
• 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.
• Three-inch (8 cm) CDs cannot be used.
• Any file protected by DRM (Digital Rights Management) copy protection, cannot be played back on this unit.
• The track display for MP3/WMA/AAC data playback is the file numbers recorded on the disc.
• The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.

Press VIEW to switch the display. For details, refer to “Displaying the Text” on page 22.

### Repeat Play

   - The song is played back repeatedly.
   - RPT*1 → RPT*2 → (off) → RPT
   - *1 Only a track/file is repeatedly played back.
   - *2 Only files in a folder are repeatedly played back (MP3/WMA/AAC mode only).

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

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

1. Press 5.
   - The songs are played back in random sequence.
   - MIX*1 → MIX ALL*2 → (off) → MIX
   - *1 Only files in a folder are played back in random sequence (MP3/WMA/AAC mode only).
   - *2 The tracks/files are played back in random sequence.

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

### Searching for CD Text

On discs utilizing CD Text, songs can be searched and played by using their recorded titles. For discs without CD Text, searches are made using the track numbers associated with each song.

1. Press / ENTER during play.
   - This will set the search mode.

2. Turn the Rotary encoder to select the desired track, and then press / ENTER.
   - This will play the selected track.

**Notes**
- Press in the search mode to cancel. Or, the search mode is canceled if no operation is performed for 60 seconds.
- When CD Text Search is made during M.I.X. play, the M.I.X. play mode will be canceled.
- If any one of the preset buttons (1 through 6) is pressed in the search mode, a search can be made quickly by skipping to the specified location. For details, refer to “Direct Search Function” on page 38.

### Folder/File Name Search (Concerning MP3/WMA/AAC)

Folder and file names may be searched and displayed during playback.

#### Folder Name Search mode

1. During MP3/WMA/AAC playback, press / ENTER to activate the search mode.

2. Turn the Rotary encoder to select Folder Name Search mode, and then press / ENTER.

3. Turn the Rotary encoder to select the desired folder.

4. Press and hold / ENTER for at least 2 seconds to play back the first file in the selected folder.

**Notes**
- If no operation is performed for 60 seconds, the search mode is canceled.
- Press in the search mode to return to the previous mode.
- To search for files in the Folder Name Search mode, press / ENTER. Files in the folder may be searched.
- Press to exit Folder Name Search mode in step 3 in order to select File Name Search mode.
- When Folder Name Search is made during M.I.X. play, the M.I.X. play mode will be canceled.
- The root folder of a disc is displayed as “ROOT”.
- If any one of the preset buttons (1 through 6) is pressed in the search mode, a search can be made quickly by skipping to the specified location. For details, refer to "Direct Search Function" on page 38.

#### File Name Search mode

1. During MP3/WMA/AAC playback, press / ENTER to activate the search mode.

2. Turn the Rotary encoder to select File Name Search mode, and then press / ENTER.

3. Select the desired file by turning the Rotary encoder.

4. Press / ENTER to play back the selected file.

**Notes**
- If no operation is performed for 60 seconds, the search mode is canceled.
- Press in the search mode to return to the previous mode.
- When File Name Search is made during M.I.X. play, the M.I.X. play mode will be canceled.
- If any one of the preset buttons (1 through 6) is pressed in the search mode, a search can be made quickly by skipping to the specified location. For details, refer to "Direct Search Function" on page 38.

### Search Position Memory

During playback, you can quickly return to the last-selected hierarchy level in the search mode.

Press .

The hierarchy you selected last in the search mode is displayed.
About MP3/WMA/AAC

CAUTION
Except for private use, duplicating audio data (including MP3/WMA/AAC 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 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.

What is AAC?
AAC is the abbreviation for “Advanced Audio Coding”, and is a basic format of audio compression used by MPEG2 or MPEG4.

Method for creating MP3/WMA/AAC files
Audio data is compressed using software with MP3/WMA/AAC codecs. For details on creating MP3/WMA/AAC files, refer to the user’s manual for that software. MP3/WMA/AAC files that are playable on this device have the file extensions “mp3”/”wma”/”m4a”. Files with no extension cannot be played back (WMA ver. 7, 8 and 9 are supported). Protected files are not supported, neither are raw AAC files (using the “.aac” extension). There are many different versions of the AAC format. Confirm that the software being used conforms to the acceptable formats listed above. It’s possible that the format may be unplayable even though the extension is valid. Playback of AAC files encoded by iTunes is supported.

Supported playback sampling rates and bit rates

| MP3 | 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz | 8 - 320 kbps |
| WMA | 48 kHz, 44.1 kHz, 32 kHz | 32 - 192 kbps |
| AAC | 48 kHz, 44.1 kHz, 32 kHz, 24 kHz, 22.05 kHz, 16 kHz, 12 kHz, 11.025 kHz, 8 kHz | 16 - 320 kbps |

This device may not play back correctly depending on sampling rates. In the USB mode, the playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.

ID3 tags/WMA tags
This device supports ID3 tag v1 and v2, and WMA/AAC tag. If tag data is in an MP3/WMA/AAC file, this device can display the title (track title), artist name, and album name ID3 tag/WMA/AAC tag data. This device can only display single-byte alphanumeric characters (up to 32 for ID3 tags and up to 32 for WMA tags) and the underscore. For non-supported characters, “No Support” is displayed or the character is displayed as space.

Playing back MP3/WMA/AAC
MP3/WMA/AAC files are prepared, then written to a CD-R, CD-RW using CD-R writing software or stored to a Flash Memory. A disc can hold up to 509 files/folders (including Root Folders), and the maximum number of folders is 255. Playback may not be performed if a disc exceeds the limitations described above.

Media supported
The media that this device can play back are CD-ROMs, CD-Rs, and CD-RWs. This device also can play back Flash Memory media.

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. This device also supports FAT 12/16/32 for Flash Memory device.

Formats supported
This device supports 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
Files are played back in the order that the writing software writes them to the disc. Therefore, the playback order may not be what is expected. Verify the writing order in the software’s documentation. The playback order of the folders and files is as follows.

* The folder No./ folder Name will not be displayed if no file is contained in the folder.
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/AAC files.

**Root folder**
The root folder (or root directory) is found at the top of the file system. The root folder contains all folders and files. It is created automatically for all burned discs.

---

Sound Setting

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

1. **Press AUDIO repeatedly to choose the desired mode.**
   
   Each press changes the mode as follows:
   
   - SubW LEVEL
   - BASS
   - TREBLE
   - BALANCE
   - FADER
   - VOLUME
   - SubW LEVEL

   *1 When the Subwoofer mode is set to OFF, its level cannot be adjusted. Refer to “Turning Subwoofer ON/OFF” on page 18.
   
   *2 Adjustable only when DEFEAT is OFF.

<table>
<thead>
<tr>
<th>Setting</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Subwoofer Level</td>
<td>0 ~ 15</td>
</tr>
<tr>
<td>Bass level</td>
<td>−7 ~ 7</td>
</tr>
<tr>
<td>Treble level</td>
<td>−7 ~ 7</td>
</tr>
<tr>
<td>Balance</td>
<td>−15(L) ~ 15(R)</td>
</tr>
<tr>
<td>Fader</td>
<td>−15(R) ~ 15(F)</td>
</tr>
<tr>
<td>Defeat</td>
<td>ON/OFF</td>
</tr>
<tr>
<td>Volume</td>
<td>0 ~ 35</td>
</tr>
</tbody>
</table>

**Note**
- If no operation is performed for 5 seconds after selecting the SubW LEVEL, BASS, TREBLE, BALANCE, FADER, DEFEAT or VOLUME mode, the unit automatically returns to normal mode.

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

**Note**
- By setting DEFEAT ON, previously adjusted level settings of BASS and TREBLE will return to the factory defaults.
Audio Setup

You can flexibly customize the unit to suit your own preference and usage. From the AUDIO SETUP menu, Audio Setting can be modified.

Use steps 1 to 5 to select the category you wish to modify. For details on how to change each setting, see the following sections below.

1. Press and hold AUDIO/SETUP for at least 2 seconds to activate the SETUP mode.

2. Turn the Rotary encoder to select Audio, and then press \( \searrow \) ENTER.
   
<table>
<thead>
<tr>
<th>Setting items</th>
</tr>
</thead>
<tbody>
<tr>
<td>General ( \leftrightarrow ) Display ( \leftrightarrow ) Tuner ( \leftrightarrow ) SiriusXM ( \leftrightarrow ) iPod&amp;USB ( \leftrightarrow ) Application ( \leftrightarrow ) Bluetooth ( \leftrightarrow ) Audio</td>
</tr>
</tbody>
</table>
   
   *1 Adjustment cannot be performed during a call.
   
   *2 Displayed only when a SiriusXM Tuner is connected.

3. Turn the Rotary encoder to select the desired sound setting menu, and then press \( \searrow \) ENTER.
   
   Factory's EQ/Parametric EQ \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) Subwoofer \( \leftrightarrow \) Subwoofer Phase \( \leftrightarrow \) Power IC \( \leftrightarrow \) MX Setup \( \leftrightarrow \) T.Corrrection \( \leftrightarrow \) Spatial \( \leftrightarrow \) X-Over \( \leftrightarrow \) Factory's EQ

   *3 Adjustment cannot be performed when DEFEAT is set to ON.
   
   *4 In step 3, nine sound adjustment items can be selected in Parametric EQ mode. Turn the Rotary encoder to select the desired item, and then press \( \searrow \) ENTER to continue to step 4.
   
   *6 These functions are inoperable when Subwoofer is set to OFF.

4. Turn the Rotary encoder to change the setting, and then press \( \searrow \) ENTER.

5. Press and hold AUDIO/SETUP for at least 2 seconds to return to normal mode.

Notes

- Pressing \( \leftarrow \) returns to the previous Sound menu mode.
- If no operation is performed for 60 seconds, Sound menu mode is canceled.

Equalizer Presets (Factory's EQ)

10 typical equalizer settings are preset at the factory for a variety of musical source material. User settings are created in the Parametric EQ mode.

User \( \leftrightarrow \) Flat \( \leftrightarrow \) Pops \( \leftrightarrow \) Rock \( \leftrightarrow \) News \( \leftrightarrow \) Jazz&Blues \( \leftrightarrow \) Electrical Dance \( \leftrightarrow \) Hip Hop&Rap \( \leftrightarrow \) Easy Listening \( \leftrightarrow \) Country \( \leftrightarrow \) Classical

Note

- The 9-Band, Parametric EQ is used to create the Factory EQ settings.

Adjusting the Parametric Equalizer Curve (Parametric EQ)

You can modify the Equalizer settings to create a response curve more appealing to your personal taste.

1. After selecting Parametric EQ from the Audio Setup mode, turn the Rotary encoder to select the desired band, then press \( \searrow \) / ENTER.

2. Turn the Rotary encoder to select the desired frequency within the selected band, then press \( \searrow \) / ENTER.

3. Repeat step 2 to adjust the Bandwidth and Level within the selected band.

Adjusting the Band

Setting contents:

- Band1/Band2/Band3/Band4/Band5/Band6/Band7/Band8/Band9

Adjusting the Frequency (Freq.)

Adjustable frequency bands: 20 Hz to 20 kHz

<table>
<thead>
<tr>
<th>Band</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Band1</td>
<td>20 Hz ~ 100 Hz (63 Hz)</td>
</tr>
<tr>
<td>Band2</td>
<td>63 Hz ~ 315 Hz (125 Hz)</td>
</tr>
<tr>
<td>Band3</td>
<td>125 Hz ~ 500Hz (250 Hz)</td>
</tr>
<tr>
<td>Band4</td>
<td>500 Hz ~ 2 kHz (1 kHz)</td>
</tr>
<tr>
<td>Band5</td>
<td>2 kHz ~ 1 kHz (4 kHz)</td>
</tr>
<tr>
<td>Band6</td>
<td>4 kHz ~ 5 kHz (4 kHz)</td>
</tr>
<tr>
<td>Band7</td>
<td>5 kHz ~ 10 kHz (4 kHz)</td>
</tr>
<tr>
<td>Band8</td>
<td>10 kHz ~ 20 kHz (16 kHz)</td>
</tr>
</tbody>
</table>

Setting the Bandwidth (Q)

Setting contents:

- 3.0 (Initial setting) / 4.0 / 5.0

Notes

- Settings exceeding the frequency of adjacent bands are not available.
- While adjusting the Parametric EQ, you should consider the frequency response of the connected speakers.
- When the Parametric EQ is adjusted, the adjustment for Factory's EQ becomes ineffective.
- The Parametric EQ setting can be configured when Defeat is OFF.

Adjusting the Level

Setting contents:

- −7 to +7 (Initial setting: 0)

Note

- Band2 and Band8 are the same as the Bass and Treble controls. Their Level adjustment can also be controlled by pressing AUDIO and selecting Bass Level or Treble Level. Refer to “Adjusting Subwoofer Level/Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat” on page 16.
- Settings exceeding the frequency of adjacent bands are not available.
- While adjusting the Parametric EQ, you should consider the frequency response of the connected speakers.
- The Parametric EQ is used to create the Factory's EQ settings.

Setting the Source Volume Level

The output level of each source is individually adjustable. For example, if the Tuner level sounds lower than Disc, its output can be adjusted without affecting the other sources.

- Setting item: VOL LV ADJ
- Further setting items: Tuner / SiriusXM / Disc / USB / iPod / BT Audio / Pandora / AUX

Setting contents:

- −14 dB ~ +14 dB
Turning Subwoofer ON/OFF

When the subwoofer is on, you can adjust the subwoofer output level (refer to “Adjusting Subwoofer Level/Bass Level/Treble Level/Balance (Between Left and Right)/Fader (Between Front and Rear)/Defeat” on page 16).

Setting item: Subwoofer
Setting contents:
OFF / ON (Initial setting)

OFF:
No subwoofer signal is output from the Subwoofer RCA Connectors (refer to “Connections” on page 54).

ON:
The subwoofer signal is output from the Subwoofer RCA Connectors (refer to “Connections” on page 54).

Setting the Subwoofer Phase

The subwoofer output phase is toggled Subwoofer Normal (0°) or Subwoofer Reverse (180°). To adjust the level, turn the Rotary encoder.

Setting item: Subwoofer Phase
Setting contents:
0° (Initial setting) / 180°

Setting the Subwoofer System

When the subwoofer is on, you can select either System 1 or System 2 for the desired subwoofer effect.

Setting item: Subwoofer System
Setting contents:
System 1 / System 2 (Initial setting)

System 1:
Subwoofer level changes according to the main volume setting.

System 2:
Subwoofer level change is different from the main volume setting. For example, even at low volume settings, the subwoofer is still audible.

External Device

Connecting to an External Amplifier

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

Setting item: Power IC
Setting contents:
OFF / ON (Initial setting)

OFF:
Use this mode when the line output of this unit is used to drive an external amplifier. In this setting, the head unit’s internal amplifier is turned OFF and can not drive speakers.

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

Note
- No sound is produced by the system when the Power IC is set to OFF.

Setting the Media Xpander mode (MX Setup)

MX (Media Xpander) makes vocals or instruments sound distinct regardless of the music source. The CD and iPod, etc. will be able to reproduce the music clearly even in cars with a lot of road noise.

Setting item: MX Setup

1 Turn the Rotary encoder to select the source to which you want to apply Media Xpander, and then press \( \text{Q} \)/ENTER. Analog Tuner ↔ HD1 ↔ HD2 ↔ HD3&Other ↔ SiriusXM ↔ CD ↔ CMPM* ↔ USB ↔ iPod ↔ BT Audio ↔ Pandora ↔ AUX

* Be applied for MP3/WMA/AAC files in disc.

2 Turn the Rotary encoder to select the Media Xpander level, and then press \( \text{Q} \)/ENTER.
OFF ↔ Level 1 ↔ Level 2 ↔ Level 3 ↔ Customize

Customizing the Media Xpander setting

If Customize is selected in step 2, you can modify the Media Xpander to suit your personal preference.

3 Turn the Rotary encoder to select the Band, and then press \( \text{Q} \)/ENTER. Band 1 (Low frequencies) → Band 3 (High frequencies)
Band 1 (Bass) ↔ Band 2 (Mid) ↔ Band 3 (High)

4 Turn the Rotary encoder to adjust the level, and then press \( \text{Q} \)/ENTER.
LEVEL: 0 ~ 8
5 Repeat steps 3 to 4 to complete the setting of other bands.

**Setting the Time Correction Unit (TCR Parameter)**

You can change the unit, (cm or inch) of time correction.

**Setting item:** TCR Parameter

**Setting contents:**
- cm (initial setting) / inch
  - cm: Time correction value is in centimetres.
  - inch: Time correction value is in inches.

**Adjusting the Time Correction (T.Correction)**

Before performing the following procedures, refer to “About Time Correction” on page 20.

1 After selecting T.Correction from the Audio Setup mode, turn the Rotary encoder to select a speaker to be adjusted, and then press ENTER.

- F-L*1 ↔ F-R*2 ↔ R-L*3 ↔ R-R*4 ↔ SW-L ↔ SW-R
  - *1 Front-L
  - *2 Front -R
  - *3 Rear-L
  - *4 Rear-R

2 Turn the Rotary encoder to adjust the distance of the selected speaker, and then press ENTER.

- 0.0 cm to 336.6 cm (3.4 cm/step)
- 0.0 inch to 132.7 inch (1.3 inch/step)

**Note**
- The total adjustment distance for all speakers should be less than 510 centimetres (201 inches).

3 Repeat steps 1 and 2 to set another speaker.

By setting these values to make its sound reach the listening position at the same time as the sound of other speakers.

**Adjusting SPATIAL**

This function allows you to change the sound field easily. There are three modes to choose from. For details, refer to the table below.

<table>
<thead>
<tr>
<th>Mode</th>
<th>Effect</th>
</tr>
</thead>
<tbody>
<tr>
<td>OFF (Initial setting)</td>
<td>No effect is applied. OFF status</td>
</tr>
<tr>
<td>Front Wide</td>
<td>Creates the effect of widening the front sound field by delaying the sound of the front speakers.</td>
</tr>
<tr>
<td>Rear Wide</td>
<td>Creates the effect of making the front sound image clear and far by delaying the sound of the rear speakers.</td>
</tr>
</tbody>
</table>

**Adjusting the Crossover Settings (X-Over)**

Before performing the following procedures, refer to “About the Crossover” on page 21.

1 After selecting X-Over from the Audio Setup mode, turn the Rotary encoder to select the desired channel, then press ENTER.

2 Turn the Rotary encoder to select the desired frequency within the selected channel, then press ENTER.

3 Repeat step 2 to adjust the Slope and Level within the selected channel.

**Adjusting the Channel (Ch.)**

**Setting contents:**
- Front (HPF) / Rear (HPF) / SUBW (LPF)

**Selecting the Cut-Off Frequency (Freq.)**

**Setting contents:**
- 20 / 25 / 31.5 / 40 / 50 / 63 / 80 (Initial setting) / 100 / 125 / 160 / 200 (Hz)

**Adjusting the Slope**

**Setting contents:**
- Flat (Initial setting) / 6 / 12 / 18 / 24 dB/oct.

**Adjusting the Level (Lev.)**

**Setting contents:**
- –12 to 0 (dB) (Initial setting: 0)

4 Repeat steps 1 to 2 to make adjustment to the other channels.

**Storing the Parametric EQ/T.Correction/X-Over Settings**

The Parametric EQ/T Correction and X-Over settings can be stored in the preset memory.

1 The Parametric EQ/T Correction/X-Over settings can be stored in any one of the preset buttons (1 through 6). After completing any adjustment for Parametric EQ/T Correction/X-Over (e.g. BAND), press and hold the desired preset button for at least 2 seconds.

2 Turn the Rotary encoder to select Protect YES/NO, and then press ENTER to store the adjusted contents.

- Protect NO
- Protect YES (Initial setting)

**Notes**
- If Protect YES is selected, the adjusted contents are protected and stored into the preset buttons. When you want to store the parameter into a protected preset button, “Replace NO/YES” can be selected.
- If Protect NO is selected, the preset is stored.
- While performing this operation, all adjusted contents of Parametric EQ/T Correction and X-Over will be stored in the preset buttons.
- The stored contents are not deleted even when resetting the unit or disconnecting the battery.
- The stored contents can be recalled by performing operation (refer to “Recalling the Stored Parametric EQ/T Correction/X Over Settings” on page 20).
Recalling the Stored Parametric EQ/T.Correction/X-Over Settings

The stored Parametric EQ/T.Correction and X-Over settings are in the preset memory.

1. After selecting any item of the Parametric EQ/T.Correction/X-Over mode (e.g. Band), press any one of the preset buttons (1 through 6) that has your desired characteristic in memory to recall the stored settings.

   The adjusted contents of Parametric EQ/T.Correction/X-Over stored into the preset button will be demonstrated.

2. Press the preset button again during the demonstration to recall the stored settings.

About Time Correction

The distance between the listener and the speakers in a car vary widely due to the complex speaker placement. This difference in the distances from the speakers to the listener creates a shift in the sounds image and frequency characteristics. This is caused by the time delay between the sound reaching the listener’s right versus the left ear.

To correct this, this unit is able to delay the audio signal to the speakers closest to the listener. This effectively creates a perception of increased distance for those speakers. The listener can be placed at an equal distance between the left and right speakers for optimum staging. The adjustment will be made for each speaker in 3.4cm steps.

Listening Position example as follows:

Example 1: Front Left Seat

Adjust the time correction level of the front left speaker to a high value and the rear right to zero or a low value.

The sound is not balanced because the distance between the listening position and the various speakers is different. The difference in distance between the front left speaker and the rear right speaker is 1.75 m (68-7/8”). Here we calculate the time correction value for the front left speaker in the diagram on the above.

Conditions:
- Farthest Speaker - listening position : 2.25 m (88-9/16")
- Front left speaker - listening position : 0.5 m (19-11/16")

Calculation: 
L = 2.25 m - 0.5 m = 1.75 m (68-7/8")

Time correction = \( \frac{1.75 \times 343}{1000} = 5.1 \text{ ms} \)

\( \text{Speed of sound: } 343 \text{ m/s (765 mph) at 20°C} \)

In other words, giving the front left speaker a time correction value of 5.1 ms makes it seem as if its distance from the listener is the same as the distance to the farthest speaker.

Time correction eliminates the differences in the time required for the sound to reach the listening position.

The time of the front left speaker is corrected by 5.1 ms so that its sound reaches the listening position at the same time as the sound of other speakers.

Example 2: All Seats

Adjust the time correction level of each speaker to almost the same level.

1. Sit in the listening position (driver’s seat, etc.) and measure the distance (in meters) between your head and the various speakers.

2. Calculate the difference between the distance correction value to the farthest speaker and the other speakers.

\[ L = (\text{distance to farthest speaker}) - (\text{distance to other speakers}) \]

These values are the time correction values for different speakers. Setting these values to make each sound reach the listening position at the same time as the sound of other speakers.

Time Correction Value List

<table>
<thead>
<tr>
<th>Delay Number</th>
<th>Time Difference (ms)</th>
<th>Distance (cm)</th>
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</table>
About the Crossover

Crossover (X-Over):
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The crossover adjusts the HPF (high pass filter) or LPF (low pass filter) of each band, and also the slope (how fast the filter rolls off the highs or lows).
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<table>
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<tr>
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</table>

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Crossover (X-Over):
This unit is equipped with an active crossover. The crossover limits the frequencies delivered to the outputs. Each channel is controlled independently. Thus, each speaker pair can be driven by the frequencies for which they have been optimally designed.

The crossover adjusts the HPF (high pass filter) or LPF (low pass filter) of each band, and also the slope (how fast the filter rolls off the highs or lows).
Adjustments should be made according to the reproduction characteristics of the speakers. Depending on the speakers, a passive network may not be necessary. If you are unsure about this point, consult your authorized Alpine dealer.

<table>
<thead>
<tr>
<th>Cut-off frequency (1/3 octave steps)</th>
<th>Slope</th>
<th>Level</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Low range speaker</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
</tr>
<tr>
<td>LPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
</tr>
<tr>
<td><strong>Rear high range speaker</strong></td>
<td></td>
<td></td>
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<tr>
<td>HPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
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<tr>
<td>LPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
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<tr>
<td><strong>Front high range speaker</strong></td>
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<tr>
<td>HPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
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<tr>
<td>LPF</td>
<td><strong>20 Hz - 200 Hz</strong></td>
<td>Flat, 6, 12, 18, 24 dB/oct.</td>
</tr>
</tbody>
</table>
**Notes**

- **HPF (high pass filter):** Cuts the lower frequencies and allows the higher frequencies to pass.
- **LPF (low pass filter):** Cuts the higher frequencies and allows the lower frequencies to pass.
- **Slope:** The level change (in dB) for a frequency change of one octave.
- The higher the slope value, the steeper the slope becomes.
- Adjust the slope to Flat to bypass the HP or LP filters.
- Do not use a tweeter without the HPF on or set to a low frequency, as it may cause damage to the speaker due to the low frequency content.
- You cannot adjust the crossover frequency higher than the HPF or lower than the LPF.
- Adjustment should be made according to the recommended crossover frequency of the connected speakers. Determine the recommended crossover frequency of the speakers. Adjusting to a frequency range outside that recommended may cause damage to the speakers.
- For the recommended crossover frequencies of Alpine speakers, refer to the respective Owner’s Manual.
- We are not responsible for damage or malfunction of speakers caused by using the crossover outside the recommended value.

---

**Displaying the Text**

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/AAC files.

Press  VIEW. The display will change every time the button is pressed.

**Note**
- When the Text Scroll is set to Manual (refer to “Scroll Setting (Text Scroll)” on page 27), press and hold  VIEW for at least 2 seconds, the current text will be scrolled one time (except Radio mode).

**The display in HD Radio mode:**

```
BAND+PRESET NO. → Station Name*1 → Frequency
FREQUENCY       Song Name*1

Artist Name*1   Calendar
PTY (Program Type)   Clock

BAND+PRESET NO. → Text (Disc Name)*2 → Frequency
FREQUENCY
```

**The display in CD mode:**

```
Track No. → Text (Disc Name)*2 → Elapsed Time
Elapsed Time

Calendar → Track No. → Clock
```

---

**Other Functions**

![Diagram of other functions](image)
The display in MP3/WMA/AAC mode:

- Folder No./File No.
- Elapsed Time
- Album Name
- Song Name
- Calendar
- Clock

The display in BLUETOOTH Audio mode:

- Elapsed Time
- Album Name
- Song Name
- Calendar
- Clock

**About the indication display**

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

<table>
<thead>
<tr>
<th>Indicator/Mode</th>
<th>HD Radio Mode</th>
<th>CD Mode</th>
<th>MP3/WMA/AAC Mode</th>
<th>iPod/iPhone/BLUETOOTH Audio Mode</th>
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</thead>
<tbody>
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</tbody>
</table>

**About “Text”**

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

**Notes**
- Some characters may not be displayed correctly with this device, depending on the character type.
- If there is no TEXT information, the display is blank.
- The text or tag information may not be correctly displayed, depending on the contents.

**Option Menu Setting**

You can quickly adjust the setting items relevant to the current SOURCE by using Option Menu.

1. Press and hold /ENTER/OPTION for at least 2 seconds to activate the Option menu of the current source.

   **Note**
   - The option menu varies depending on the source.

2. Turn the Rotary encoder to select the desired setting item, and then press /ENTER.
Turn the Rotary encoder to change the setting, and then press \( \text{ENTER} \).

After the setting, the display will return to the current source automatically.

**Setting item:**

- **HD Radio mode:**
  - Tuner Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) Tuner Setup

- **SiriusXM mode:**
  - Alert Memory \( \leftrightarrow \) SiriusXM Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) Alert Memory

- **DISC mode:**
  - CD Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) CD Setup

- **USB mode:**
  - USB Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) USB Setup

- **iPod mode:**
  - APP Direct \( \leftrightarrow \) iPod Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) APP Direct

- **AUX mode:**
  - AUX Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) AUX Setup

- **Pandora mode:**
  - VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) VOL LV ADJ

- **BT Audio mode:**
  - BT Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) MX Setup \( \leftrightarrow \) BT Setup

- **Phone mode (Non-calling mode):**
  - Phone Setup \( \leftrightarrow \) VOL LV ADJ \( \leftrightarrow \) Phone Setup

- **Phone mode (Calling mode):**
  - MIC Gain \( \leftrightarrow \) Call Sound \( \leftrightarrow \) Speak Switch \( \leftrightarrow \) Voice Mute \( \leftrightarrow \) Call Wait \( \leftrightarrow \) END Call \( \leftrightarrow \) VOL LV ADJ

Notes:

- Press \( \text{VIEW} \) to return to the previous mode.
- If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

### Applying TuneIt

This unit’s sound tuning is programmable from a connected Smartphone. It is also possible to download specific parameters for certain vehicles from Alpine’s TuneIt database stored in the Cloud. Using the TuneIt App, customized parameters can also be uploaded for others to share and rate.

Through this unit, it is also possible to receive and respond to information from Alpine’s Social Network Service (SNS) available through the connected Smartphone.

The installed TuneIt App should be launched on the Smartphone before connection to the head unit. TuneIt, downloadable from Apple’s App Store; the Android user can download it from Google Play. For details, consult your Alpine dealer.

Before these operations, set Alpine APP to USB or BT depending on the connected Smartphone. For details, refer to “Setting the communication mode with a Smartphone (Alpine APP)” on page 28.

Notes:

- The application program and the related specifications and data may be deleted or terminated without notice.
- Some functions of TuneIt may not be available when the Smartphone is not in service area or receives no signal.

### Adjusting the sound via Smartphone

After the above procedure, you can adjust the unit’s sound function on the Smartphone.

1. **Make sure the unit is powered on.**
2. **Launch the TuneIt App on Smartphone. Adjust the unit’s sound accordingly on the Smartphone.**

During sound setting, \( \text{SOURCE} \) key may blinks.

Notes:

- Volume and sound parameter preset function cannot be adjusted via Smartphone.
- The setting cannot be done on both the Smartphone and this unit at the same time. While the sound function of this unit is set via the Smartphone, sound function settings on CDE-HD149BT will be displayed as “APP Connect”.
- When the unit is powered off or during a call, sound setting cannot be done via the Smartphone.
- This function may not be available depending on the paired Smartphone.
- Please obey all local traffic laws while using this function.
Facebook Notification Function

Some functions may be available in a future version of TuneIt.

Note
- Depending on the paired Smartphone, the follows functions may not available even though the TuneIt version is updated.

Receiving Notification (Ready on future update)

When the Smartphone connected to this unit receives notification from Facebook, it will BEEP and the SOURCE key blinks (depending on the TuneIt settings on the phone). At the same time, the user's name is shown in the display (20 characters maximum).

1. While receiving Notification from Facebook, press \SOURCE button.
   Notification Menu screen is displayed.

2. Turn the Rotary encoder to select the desired mode, and then press \ENTER.
   - Like^1 ↔ Replay ↔ Next ↔ Previous ↔ TTS Volume^2 ↔ Like
   - *1 Not displayed only when the received Notification is Message type.
   - *2 It can also be set in SETUP section. For details, refer to “Setting the TTS (Text To Speech) volume” on page 28.

Like: The Smartphone feedbacks to Facebook with “Like”, and meanwhile, the received Wall Posts or Comments is played back by TTS (Text To Speech).
Replay: To play back Notification by TTS (Text To Speech) again.
Next: To select the next Notification.
Previous: To select the previous Notification.
TTS Volume: To adjust the playback volume of TTS (Text To Speech).

Notes
- Press \SOURCE to return to the previous mode.
- A new received Notification prompt will last for 30 seconds. If there is no operation within 30 seconds, the unit will return to normal mode.
- When this unit is powered off or during a call, Notification of Smartphone will not be prompted by this unit.

Displaying Notification List
(Ready on future update)

You can view the received Notification from Facebook in the connected Smartphone via this unit.

1. Press and hold \SOURCE for at least 2 seconds.
   The received Notification will be displayed according to when it was posted.

2. Turn the Rotary encoder to select the desired Notification, and then press \ ENTER.

3. Then go to step 2 of “Receiving Notification”.

Notes
- When there is no Notification, “No Notification” will be displayed.
- The displayable amount of the Notification list depends on the connected Smartphone.

Setting

You can flexibly customize the unit to suit your own preferences and usage. From the SETUP menu, General Setting, Display Setting, etc. can be modified.

Use steps 1 to 5 to select one of the SETUP modes to modify. See the applicable section below for details about the selected SETUP item.

1. Press and hold AUDIO/SETUP for at least 2 seconds to activate the SETUP mode.

2. Turn the Rotary encoder to select the desired item, and then press \ ENTER.
   Audio?1 ↔ General ↔ Display ↔ Tuner ↔ SiriusXM?2 ↔ iPod&USB ↔ Application ↔ Bluetooth?3 ↔ Audio

3. Turn the Rotary encoder to select a setting item, and then press \ ENTER.
   - General:
     Clock Mode ↔ Clock Adjust?4 ↔ Calendar ↔ AUX IN ↔ AUX Name?5 ↔ Play Mode ↔ Beep ↔ Demo ↔ Clock Mode
   - Display:
     Illumination ↔ Dimmer ↔ Dimmer Level ↔ Scroll Type ↔ Text Scroll ↔ Opening MSG ↔ Illumination
   - Tuner:
     Multi Cast Seek ↔ Seek Type ↔ Listen Mode ↔ Live Mode ↔ FM Tuner Setup ↔ Multi Cast Seek
   - iPod&USB:
     USB Skip ↔ iPod List Setup ↔ USB Skip
   - Application:
     Alpine APP ↔ TTS Volume ↔ Alpine APP
   - *1 Refer to “Audio Setup” on page 17.
   - *2 Refer to “SiriusXM Setting” on page 43.
   - *3 Refer to “BLUETOOTH SETUP” on page 30.
   - *4 Refer to “Setting the Time and Calendar” on page 10.
   - *5 Displayed only when AUX IN is ON.

4. Turn the Rotary encoder to change the setting, and then press \ ENTER.

5. Press and hold AUDIO/SETUP for at least 2 seconds to return to normal mode.
Notes
- Pressing returns to the previous SETUP mode.
- If no operation is performed for 60 seconds, SETUP is canceled.

General Setting

General is selected on the setup main menu in step 2.

Setting the Clock Display (Clock Mode)

You can select the clock display type, 12-hour or 24-hour, depending on your preference.

- Setting item: Clock Mode
  - Setting contents:
    - 00:00 (24-hour) / AM (Before noon) 12:00 (12-hour) (Initial setting)

Setting of Calendar Display Pattern Switching (Calendar)

You can switch the calendar display pattern to be shown when the time is displayed.

- Setting item: Calendar
  - Setting contents:
    - mm/dd/yyyy (Initial setting) / dd/mm/yyyy / yyyy/mm/dd
    - yyyy: Shows the year
    - mm: Shows the month
    - dd: Shows the day
    - ex. dd/mm/yyyy → 01/01/2013

Setting the AUX SETUP mode

You can input the audio of an external device, (such as a Portable audio player) to the AUX connector of this unit.

- Setting item: AUX IN
  - Setting contents:
    - OFF / ON (Initial setting)
    - OFF: When set to OFF, AUX source cannot be selected.
    - ON: Set to ON when a portable device is connected. If SOURCE is pressed and AUX is selected, the sound of the portable device is input to the unit.

Setting the AUX NAME mode

You can change the AUX NAME display in the SETUP mode.

- Setting item: AUX Name
  - Setting contents:
    - Auxiliary (Initial setting) / TV / DVD / Portable / Game

Playing MP3/WMA/AAC Data (Play Mode)

This unit can play back CDs containing both CD and MP3/WMA/AAC data (created in Enhanced CD (CD Extra) format). However, in some situations, playback of an enhanced CD may be difficult. In this case, you can select playback of a single session only, containing the CD data. When a disc contains both CD and MP3/WMA/AAC data, playback starts from the CD data portion of the disc.

- Setting item: Play Mode
  - Setting contents:
    - CD-DA / CDDA&MP3/WMA (Initial setting)
    - CD-DA: Only the CD data in Session 1 can be played back.
    - CDDA&MP3/WMA: CD data, MP3/WMA/AAC files in mixed mode, and multi-session discs can be played back.

Note
- Perform this setting before inserting a disc. If a disc has already been inserted, remove it first.

Sound (Beep) Guide Function

This function will give audible feedback with varying tones depending upon the button pressed.

- Setting item: Beep
  - Setting contents:
    - OFF / Level 1~7

Note
- The initial setting is Level 4.

Demonstration

This unit has a demonstration feature for the display.

- Setting item: Demo
  - Setting contents:
    - OFF (Initial setting) / ON

Note
- To quit Demo mode, set to Demo OFF.

Display Setting

Display is selected on the setup main menu in step 2.

Changing Lighting Color

You can change the lighting color of the unit’s buttons.

- Setting item: Illumination
  - Setting contents:
    - TYPE1 (Initial setting) / TYPE2 / TYPE3 / TYPE4
    - TYPE1: The color of all buttons is blue.
    - TYPE2: The color of all buttons is green.
    - TYPE3: The color of all buttons is amber.
    - TYPE4: The color of all buttons is red.
Dimmer Control

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 back lighting is too bright at night.

- **Setting item:** Dimmer
  - **Setting contents:** Manual / Auto (Initial setting)

Dimmer Level Setting

In the Dimmer Level setting, three levels are available, the highest level (Level3) being the dimmest when the car headlights are on.

- **Setting item:** Dimmer Level
  - **Setting contents:** Level1 (Initial setting) / Level2 / Level3

Scroll Type Setting

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

- **Setting item:** Scroll Type
  - **Setting contents:** TYPE 1 (Initial setting) / TYPE 2
    - **TYPE 1:** The characters scroll from right to left, one character at a time, until the entire title has scrolled.
    - **TYPE 2:** Words are built up from left to right, a single character at a time. When the display is full, it is cleared and the subsequent words are displayed the same way until all words of the title have been shown.

Scroll Setting (Text Scroll)

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

- **Setting item:** Text Scroll
  - **Setting contents:** Manual (Initial setting) / Auto
    - **Manual:** The above information is scrolled only when a disc is loaded, a channel or track is changed, etc.
    - **Auto:** CD text information, folder and file names, HD Radio and SiriusXM text are scrolled continuously. In addition, all tag information is automatically rotated in the display continuously, without pressing the VIEW button. (Except SiriusXM)

Note
- In parts of the display, scrolling may not occur, or scroll content may differ.

Opening Message ON/OFF Setting

This unit includes a special message feature with various patterns, which when enabled displays opening messages for certain occasions. For example, when you turn this unit on December 25th (according to the unit's date setting), a Christmas greeting is displayed if the Opening Message is set to ON.

- **Setting item:** Opening MSG
  - **Setting contents:** OFF (Initial setting) / ON

Tuner Setting

Tuner is selected on the setup main menu in step 2.

Setting the Multicast Seek

Multicast Seek can be set to ON/OFF.

- **Setting item:** Multi Cast Seek
  - **Setting contents:** OFF / ON (Initial setting)
    - **OFF:** SEEK is available only for the Main Program Service. Multicast stations are ignored.
    - **ON:** SEEK finds both the Main Program Service and Sub-program Service of Multicast stations.

Setting the Digital Seek

Digital Seek can be set to ON/OFF.

- **Setting item:** Seek Type
  - **Setting contents:** Hybrid (Initial setting) / Digital
    - **Hybrid:** SEEK UP/DOWN is available for digital and analog radio stations. However, the strong signals have priority during SEEK.
    - **Digital:** SEEK UP/DOWN is available only for the digital radio station. Any analog only stations (or very weak digital) are skipped.

Switching the listening mode

The unit provides you 4 reception methods, among which you can select an optimized method to receive the Digital signal or Analog signal according to your own preference and the signal strength.

- **Setting item:** Listen Mode
  - **Setting contents:** Hybrid / Digital / Digital MC (Initial setting) / Analog
    - **Hybrid:** Receive both digital and analog radio stations. If the digital signal is weak, this unit will switch to receive the analog radio signal automatically.
    - **Digital:** Keep receiving the digital radio signal, even when the digital signal is weak.
    - **Digital MC:** Keep receiving the digital radio signal while listen to a Sub-program Service of a Multicast station.
    - **Analog:** Only receive the analog radio signal, even when the digital signal is strong.

Setting the Live mode (Live Mode)

While receiving a live broadcast, you can select an optimized receiving method according to your own preference and the signal strength.

- **Setting item:** Live Mode
  - **Setting contents:** Analog (Initial setting) / Digital / Listen Mode
    - **Analog:** While receiving a live broadcast, this unit will only receive the analog radio signal even when the digital signal can be received.
    - **Digital:** While receiving a live broadcast, this unit will keep receiving the digital radio signal even when the digital signal is weak.
**Listen Mode:**
While receiving a live broadcast, the setting value is the same as that in Listen Mode, refer to “Switching the listening mode” on page 27.

**Setting the TUNER (FM) tone quality**
This unit can set your preferred tone quality for FM radio source.

- **Setting item:** FM Tuner Setup
  - **Setting contents:**
    - Hi-Fi / Normal (Initial setting) / Stable
    - Hi-Fi:
      - High-quality setting
    - Normal:
      - Standard setting
    - Stable:
      - Control noise

**Note**
- Noise may be more noticeable when Hi-Fi is set, depending on the reception status. In this case, the Normal setting is recommended.

**iPod&USB Setting**
iPod&USB is selected on the setup main menu in step 2.

**Setting the USB Skip function**
During searching, you can skip over designated folders/files by pressing and holding 1 ◄/► 2 for at least 2 seconds. For example, if you select 10File in the searching mode, by pressing and holding 1 ◄ you can skip backward 10 folders/files from the current folder/file; by pressing and holding ► 2 you can skip forward 10 folders/files from the current folder/file. If the folders/files searched are less than the assigned skipped-over ones, pressing and holding 1 ◄/► 2 will skip to the first or last folder/file.

- **Setting item:** USB Skip
  - **Setting contents:**
    - 10File (Initial setting) / 20File / 50File / 100File

**iPod/iPhone Search Mode Setting**
The unit allows you to search for the iPod/iPhone using nine different search modes.

- **Setting item:** iPod List Setup
- **Further setting items:** Playlists / Artists / Albums / Audiobooks / Podcasts / Genres / Composers / Songs / Genius Mixes
  - **Setting contents:**
    - OFF / ON

**Notes**
- When the search mode is in Playlists/Artists/Albums/Podcasts/Genres/Songs/Genius Mixes, the initial setting is On, and when the search mode is in Audiobooks/Composers, the initial setting is Off.
- For search mode details, refer to “Searching for a desired song” on page 35.

**Application Setting (APP)**
Application is selected on the setup main menu in step 2.

**Setting the communication mode with a Smartphone (Alpine APP)**
Set Alpine APP to USB when an iPhone is connected, or set to BT when an Android Smartphone is paired.

- **Setting item:** Alpine APP
  - **Setting contents:**
    - OFF / USB (Initial setting) / BT
    - OFF:
      - No Smartphone is connected.
    - USB:
      - When an iPhone is connected to CDE-HD149BT’s USB port, you can enjoy Pandora program the unit’s sound tuning parameters, or communicate with SNS.
    - BT:
      - Set this when an Android Smartphone is paired with this unit via BLUETOOTH technology. At this time, you can enjoy Pandora, program the unit’s sound tuning parameters, or communicate with SNS.

**Notes**
- After the above setting, turn the ignition key off (ACC OFF) and on again (ACC ON).
- For this function to work properly, specific applications must be installed on your Smartphone before connection. Consult your Alpine dealer or the Alpine web site for details.
- Only the iPhone and certain Android Smartphones support this function.

**Setting the TTS (Text To Speech) volume**
This function allows for readout of comments, etc., on a Smartphone, and outputs sound from the speaker of the unit.

- **Setting item:** TTS Volume
  - **Setting contents:**
    - 0~35

**Note**
- The initial volume level is 12.
Setup Before Using

About BLUETOOTH

BLUETOOTH is a wireless technology allowing communication between a mobile device or personal computer over short distances. This enables a hands-free call or data transmission between BLUETOOTH compatible devices. BLUETOOTH transmission is available in the unlicensed 2.4 GHz spectrum if the distance between devices is within 10 meters. For details, refer to the BLUETOOTH Home page (http://www.bluetooth.com).

Notes
- Depending on the BLUETOOTH version, a BLUETOOTH compatible device may not be able to communicate with this unit.
- Proper function of this unit with all BLUETOOTH compatible devices is not guaranteed. For handling of the BT compatible device, consult your ALPINE dealer or ALPINE website.
- Depending on the surroundings, BLUETOOTH wireless connection may be unstable.
- When you place a call, or perform setup operations, be sure to stop your car in a safe place.
- Depending on the connected BLUETOOTH compatible device(s), the function may differ. Also refer to the Owner’s Manual of the connected device(s).
- When you search for this unit using the BLUETOOTH compatible phone, the unit name is displayed as “Alpine CD Receiver”.

Before Using BLUETOOTH Function

Before using the BLUETOOTH function, the following settings need to be made.

Set “Bluetooth IN” to ON when you want to use Hands-Free phone or Bluetooth Audio function. Refer to “Setting the BLUETOOTH Connection (Bluetooth IN)” on page 30.

Note
- Before using BLUETOOTH function, it must be paired with this unit. Refer to “How to connect to a BLUETOOTH compatible device (Pairing)” on page 29.

How to connect to a BLUETOOTH compatible device (Pairing)

For details on the control from a BLUETOOTH compatible device, refer to the Owner’s Manual of the BLUETOOTH compatible device.

Pairing a BLUETOOTH compatible device with SSP (Secure Simple Pairing)

1 Using your BLUETOOTH compatible device, select the “Alpine CD Receiver” for pairing.

2 Turn the Rotary encoder to change the head unit display from “Pairing NO” to “Pairing YES”, and then press □ ENTER.

   If “Pairing NO” is selected, the connection will be canceled.

3 If the pairing was successful, “Connected” is displayed for a few seconds. The head unit then returns to its previous state.

Pairing a BLUETOOTH compatible device without SSP (Secure Simple Pairing)

1 Using your BLUETOOTH compatible device, select the “Alpine CD Receiver” for pairing.

2 Input the passcode (“0000”) in a BLUETOOTH compatible device.

   Note
- The passcode is fixed as “0000”.

3 If the pairing was successful, “Connected” is displayed for a few seconds. The head unit then returns to its previous state.

Notes
- If the connection is unsuccessful, “Failed” is displayed.
- After a successful pairing, the two devices should reconnect automatically whenever the vehicle’s ignition is turned ON. If the auto connection fails, try to reconnect manually.
- Set “Visible Mode” to ON to enable this unit to be recognized by a BLUETOOTH compatible device, refer to “Setting the Visible Mode” on page 30.
- You can also manually pair the BLUETOOTH devices from this unit. For details, refer to “Pairing a BLUETOOTH Device from the unit” on page 30.
Setting the BLUETOOTH Device

Select one of 3 connected BLUETOOTH compatible devices that you previously registered.

Setting item: Paired Device

1. Turn the Rotary encoder to select a BLUETOOTH compatible device you want to use (you want to change connection) and then press ENTER.

2. Turn the Rotary encoder to select “Connect” to connect the selected device.

The connected device is marked with “◉”. Select “Disconnect” to disconnect this device. Select “Clear” when you want to clear the device from the device list.

Notes
- If the connection is successfully changed, “Connected” is displayed for 2 seconds and the indicator lights up, then the display returns to the SETUP screen.
- If a Smartphone is connected to this unit successfully, the indicator lights up to show the battery charge of the connected Smartphone. The indicator lights up when the battery charge is about 50%, and it blinks as a low level warning. The indicator goes out when the battery is drained. At this time, the BLUETOOTH function is unavailable due to the Smartphone powered off.
- Indicator (Signal Strength):
  The indicator will display the current signal strength of your service provider. The indicator goes out when the Smartphone is not in service area or receives no signal.
- Depending on the connected Smartphone, the indicator (battery charge) and (signal strength) indicators may not be displayed.
- If all the 3 positions have been registered, you cannot register the 4th device. To register another device, you need to delete one of the devices from position 1 to 3 first.

Setting the Visible Mode

You can set whether this unit can be recognized or not from a BLUETOOTH compatible device. Normally set this to ON.

Setting item: Visible Mode

Setting contents:

OFF / ON (Initial setting)

OFF:
Enable recognition of this unit from the BLUETOOTH compatible device.

ON:
Disable recognition of this unit from the BLUETOOTH compatible device.

Pairing a BLUETOOTH Device from the unit

If your BLUETOOTH device is not immediately pairing, the head unit can perform a search. The search can find paired or unpaired devices.

Setting item: Search Device

1. When Search Device is selected and “Searching” is displayed, the search gets started.

Note
- The “Searching” operation can be stopped by pressing .
2 Turn the Rotary encoder to select the name of the device to be connected from the Device Search list and then press ENTER.

3 If this unit is successfully connected to a BLUETOOTH compatible device, “Connected” is displayed, and then the unit returns to normal mode.

Depending on the Smartphone, it may be necessary to input a passcode. In this case, “Passcode 0000” is displayed. Input the passcode “0000” in the BLUETOOTH compatible device to make the pairing. After the pairing is completed, the unit will automatically connect to the BLUETOOTH compatible device. If you input the wrong passcode or the communication fails, “Failed” is displayed.

Setting the BLUETOOTH sound quality
You can flexibly customize the sound of a call to fit your own preferences.

Setting item: Call Sound
Further setting items: VOL LV ADJ / Type Setup

Adjusting the volume (VOL LV ADJ)
You can emphasize or weaken the volume level of the Phone call, the ring tone and the microphone input to fit your own preferences.

Setting contents:
- Phone Talk: −5 dB ~ +5 dB
- Ring Tone: −5 dB ~ +5 dB
- MIC Gain: −5 dB ~ +5 dB

Sound Type setting (Type Setup)
Depending on your calling environment, choose one of the settings below which gives the best sound quality.

Setting contents:
- TYPE1 (Initial setting) / TYPE2 / TYPE3 / TYPE4 / TYPES
  - TYPE1: Standard Mode (recommended)
  - TYPE2: Enhances the noise reduction
  - TYPE3: Enhances the echo-cancel
  - TYPE4: Enhances both noise reduction and echo-cancel
  - TYPES: Weakens both noise reduction and echo-cancel

Note
- The functions below are designed to improve the sound quality of the outgoing call.
  - Noise reduction: This function can reduce the road noise, but excessive enhancement may affect the sound quality of the call.
  - Echo-cancel: This function can reduce the echo, but excessive enhancement may affect the sound quality of the call.

Setting the caller information display/text message indicator ON/OFF
You can choose whether to use these functions according to the following setting.

Setting item: Caller ID
Setting contents:
- OFF / ON (Initial setting)

If you want to keep the ID information of the caller from others, set this item to OFF. Depending on the stored ID information, while you are dialing a number or a call is dialing in, only telephone number will be displayed or telephone name will be displayed as “NO Name”; During a call, “NO Name” will be displayed.

Setting the Phone Book Update
You can update the phone book automatically or manually.

Setting item: PB Update
Further setting contents: Auto / Manual

Setting the Phone Book Auto Update ON/OFF (Auto)
When you select ON in this step, whenever the vehicle’s ignition is turned ON or after the phone is reconnected with this unit, the phone book will be updated automatically.

Setting contents:
- OFF / ON (Initial setting)

Note
- “Updating” will be displayed during the phone book update.

Setting the Phone Book Manual Update ON/OFF (Manual)
When you select YES in this step, the phone book will be updated immediately regardless if the Auto update function is on or off.

Setting contents:
- NO (Initial setting) / YES

Note
- “Updating” will be displayed during the phone book update.

Changing the Phone book List Order
The phone book is listed alphabetically by the first letter of First or Last Name.
Listing by First Name is the default but Last Name can be selected.

Setting item: PB Order
Setting contents:
- First Name (Initial setting) / Last Name

Note
- “Waiting” will be displayed while the Phone book order is switching. You can cancel the “Waiting” screen to perform other operations by pressing when the ordering is still in progress. The phone book is not accessible during this time. In addition, the ordering may affect the playback of Bluetooth Audio.
Setting the Received Calls automatically (Auto Answer)

When a call is received, you can set whether to receive it automatically or not.

- **Setting item:** Auto Answer
- **Setting contents:** OFF (Initial setting) / ON
  - **OFF:** When a call is received, it is not answered automatically. Press \( \text{ or } \) \( \text{ /ENTER} \) to receive the call.
  - **ON:** When a call is received, it is answered automatically after about 5 seconds.

**Note**
- If the received call setting on the Smartphone is on, the call will be answered automatically even though this setting is set to OFF.

Displaying the phone service provider name

The service provider name of the connected BLUETOOTH compatible device will be displayed. If a BLUETOOTH compatible device is not connected, “ID Unsent” will be displayed.

- **Setting item:** Service Name

**Note**
- Depending on the character type, some phone service provider name cannot be displayed. “ID Unsent” will be displayed.

Selecting the output speaker

Choose the speaker in your vehicle from which you want to hear the call.

- **Setting item:** Speaker Select
- **Setting contents:** ALL (Initial setting) / F-L / F-R / F-LR
  - **ALL:** The sound be output from all of speakers in car.
  - **F-L:** The sound only be output from the front left speaker.
  - **F-R:** The sound only be output from the front right speaker.
  - **F-LR:** The sound be output from the front left and front right speaker.

Displaying the firmware version

The current firmware version will be displayed.

- **Setting item:** FW Version

Updating the firmware

Future BLUETOOTH firmware updates may become available for phone interoperability.
For detailed information and operation to update your BLUETOOTH firmware, please visit Alpine home page (http://www.alpine-usa.com).

- **Setting item:** FW Update
- **Setting contents:** NO (Initial setting) / YES

Hands-Free Phone Control

About the Hands-Free Phone

Hands-free calls are possible when using a HSP (Head Set Profile) and HFP (Hands-Free Profile) compatible Smartphone with this unit.

**Notes**
- Avoid performing a hands-free call in heavy traffic or on narrow or winding streets.
- Close the windows while calling to reduce background noise.
- If both calling parties are using hands-free devices, or the call is made in a noisy location, difficulty hearing the other person’s voice is normal.
- Depending on telephone line conditions or certain mobile devices used, voices may sound unnatural.
- When using a microphone, speak as directly as you can into the microphone to pick up the best sound quality.
- Certain Smartphone features are dependent on the capabilities and settings of your service provider’s network. Additionally, certain features may not be activated by your service provider, and/or the provider’s network settings may limit the feature’s functionality.
- Always contact your service provider about feature availability and functionality. All features, functionality, and other product specifications, as well as the information contained in the Owner’s Manual are based upon the latest available information and are believed to be accurate at the time of printing.
- Alpine reserves the right to change or modify any information or specifications without notice or obligation.

Answering a Call

Incoming calls are announced by the received call ring tone and a displayed message (Phone).

**Press \( \text{ or press } \)/ENTER.**

The call starts.

**Notes**
- When “Auto Answer” is set to ON, you can receive a call automatically. Refer to “Setting the Received Calls automatically (Auto Answer)” on page 32.
- While calling, the source sound on the unit is muted. After calling, playback will resume.

Hanging up the Telephone

**Press \( \).**

The call finishes.

**Note**
- You can also hang up the call by pressing \( \).

Voice Control Operation

When a Smartphone equipped with voice recognition function is paired with this unit. The Smartphone can be controlled by Voice Control via this unit.

**Press and hold VOICE CTRL. for at least 2 seconds to activate the Voice Recognition mode.**

After the Voice Recognition mode is activated and “Speak” is displayed, you can make a phone call, play a song, etc., via this unit by inputting voice control commands*.

* Please refer to your Smartphone manual for other voice control commands.
Notes
- You can perform this operation only when a Voice recognition compatible Smartphone is connected. If the Smartphone is not compatible with the Voice recognition, "No Support" is displayed for 2 seconds.
- The Voice recognition function performance depends on the recognition range of the Smartphone and mounting location of the microphone. Please pay attention when the microphone is mounted.
- Voice recognition operation depends on the function of the Smartphone. For details, refer to the Owner's Manual of the Smartphone.
- If a called person that you say is not found, "No Call" is displayed for 2 seconds.
- Please obey all local traffic laws while using this function.

Press Notes

Calling
Call History is recorded for the last dialed/received/missed calls (20 records for each). There are various ways of making calls based on the "Calling". The following steps 1 to 5 are common to the various ways of making these calls. For details, refer to each individual category for making calls.

1. Press \.* \.)
The outgoing method list is displayed.

2. Turn the Rotary encoder to select the outgoing mode.

   Setting contents:
   - Dialed / Received / Missed / Phone Book
     - Dialed:
       - Dialed history
     - Received:
       - Received history
     - Missed:
       - Missed incoming history
     - Phone Book:
       - Smartphone phone book

3. Press \( */ENTER.
   The outgoing mode is activated, and each mode list is displayed.
   Note
   - It may take some time for the list to be displayed, and also directly after connection, the list may not be brought up to date.

4. Turn the Rotary encoder to select a name or a telephone number from the list.
   Note
   - You can use Phone book alphabet search function to search a name or number from Phone Book. For details, refer to "Phone book Alphabet Search Function" on page 33.

5. Press \( */ENTER.
   The selected telephone number will be called.
   If one name has several numbers registered in the telephone book, press \( */ENTER after selecting the name*, then turn the Rotary encoder to choose the desired number and press \( */ENTER, the telephone will be called.
   * If the name cannot be recognized, "NO Name" will be displayed.

Notes
- Press \( \leftarrow to return to the previous mode.
- If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

Redialing a Number In Outgoing History
Previously dialed telephone numbers (maximum number of call record is 20) are stored in dialed calls history. You can redial a number by searching from dialed calls history.

Setting item: Dialed

Dialing a Number In Incoming History
Telephone numbers (maximum number of call record is 20) from received calls are stored in the Received List. You can redial these numbers by searching here.

Setting item: Received

Dialing a Number In Incoming Missed Call History
Telephone numbers (maximum number of call record is 20) that are missed, are stored in the Missed List. You can redial these numbers by searching here.

Setting item: Missed

Dialing a Number In The Phone Book
Up to 1,000 names (at most 3 telephone numbers for each name) are downloadable from a Smartphone. Dial a call by selecting a person from the phone book list.

Setting item: Phone Book

Notes
- The order of the list display depends on the setting of "PB Order" (refer to "Changing the Phone book List Order" on page 31).
- If the call history or phone book of the Smartphone is added or deleted while it is connected to the unit, the list displayed on the unit may not be brought up to date. If it is not updated, you cannot correctly place a call.
- You can display the information of a number stored in phone book by pressing \( VIEW. Each press changes the display as Name → Telephone NO./Telephone label → Name. If the information cannot be obtained, "NO Name" or "NO Number" will display.
- The telephone label of a number depends on the number information stored in Phone book of the Smartphone, which includes 4-type icons-(Mobile), (Home), (Work), and (Other).

Phone book Alphabet Search Function
You can select the first three letters to search for a desired name in phone book list by using the Phone book alphabet search function.

For example:
Searching a name "Michael James"
The following example explains how the search is performed. Depending on the setting in PB Order (refer to "Changing the Phone book List Order" on page 31), the phone book is listed in first name or last name order. Please search for the first name or last name according to the setting.

1. Press ABC SEARCH while in the phone book list, the phone book alphabet search mode is activated.
   The letter selection screen is displayed.

2. Turn the Rotary encoder to select the first letter (e.g. M), and then press \(\rightarrow\).

3. Turn the Rotary encoder to select the second letter (e.g. l), and then press \(\rightarrow\).
4. Turn the Rotary encoder to select the third letter (e.g. C), and then press ENTER. The names stored in phone book which begin with “MIC” are searched.

5. Turn the Rotary encoder to select the desired name (e.g. Michael James), and then press ENTER to make the call.

**Notes**
- If the selected name has several numbers registered in phone book, you need to turn the Rotary encoder to select the desired number, and then press ENTER.
- Press in step 3 or 4 to delete the current entry and return to the previous step.
- You can search for a name by its first letter, first two letters or first three letters. Press ENTER after entering the desired number of letters. A list displays the names beginning with the entered letter(s).

### Call waiting function
If a second call is received during a current call, you can have the first caller wait momentarily while you take the second call. When you are finished with one call, you can switch to the other one.

If a second call is received during the current call (call1), the information of second caller (call2) is displayed instead of the current caller’s name. Press 2, the call waiting mode is activated.

In this case, call1 is on hold, while you take call2.

**Notes**
- In the call waiting mode, press 1 or 2 to switch between the current call and the person on hold.
- In the call waiting mode, press and hold 1 or 2 for at least 2 seconds to hang up call1 or call2, and the other call will be answered automatically. The action depends on the paired device.
- In the call waiting mode, you can press VIEW to change the display between waiting number (1 or 2) and caller name.

### Preset a number in the Phone Menu (Shortcut dial)
Assign numbers that you dial frequently to presets for quick recall. You can assign up to six frequently called phone numbers to number presets.

Select a number you want to preset from the Phone Menu list (Phone Book, Dialed Call, etc.). Press and hold any one of the preset buttons (1 through 6) as the one that you wish to store the number for at least 2 seconds.

The phone number you selected is stored in presets.

**Notes**
- If the name has several numbers registered in the phone book, press ENTER after selecting the name. Turn the Rotary encoder to choose the desired number. Press and hold any one of the preset buttons (1 through 6) for at least 2 seconds. The selected number is stored as a preset number.
- A total of 18 phone numbers can be stored in the preset memory (6 numbers for each Smartphone in the paired device list). If a Smartphone is deleted from the paired device list, the stored preset numbers of this Smartphone are deleted, even when it is paired again.
- If you store a phone number in a preset with a previously stored number, the current number will be cleared and replaced by the new one.

### Dialing the preset number

1. Press any one of the preset buttons (1 through 6) that has had a number stored in the phone mode. The information (name/number) stored in the preset station is displayed.

2. Press or press ENTER. The stored preset number is dialed directly.

### Adjusting the volume when receiving a Call
While calling, you can adjust the volume.

Turn the Rotary encoder to adjust the volume.

**Note**
- You may need to increase volume from your regular audio listening source level. However, increasing the volume excessively may result in feedback. Feedback is directly related to the volume. Turning down the volume as low as acceptable, will reduce it. Positioning the microphone in a direction away from the main car speakers (e.g. clipped on sun visor) may also reduce feedback at high volume.

### Muting the microphone input quickly (Voice Mute)
While calling, activating the Voice Mute function will instantly mute the microphone input. Your voice will not be heard by the caller.

While calling, press /II to mute the microphone input.

Press /II again will bring the microphone input back to its previous volume level.

### Call Switching Operation
While making a call, this function allows you to initiate the transfer of the audio between the Smartphone and the speakers in the car.

While calling, press BAND or press and hold /II for at least 2 seconds to switch the call sound between the unit and Smartphone.

**Note**
- Depending on the Smartphone, this operation may not be performed.

### Bluetooth Audio Operation
Audio information of a BLUETOOTH compatible Smartphone, a portable player, etc., is controllable/playable wirelessly from this unit.

* To play back audio, a Smartphone or a portable player conforming to A2DP (Advanced Audio Distribution Profile) and AVRCP (Audio/Video Remote Control Profile) is required. Not all functions work with all devices.

**Notes**
- Set “Bluetooth IN” to ON when you want to use Bluetooth Audio function. Refer to “Setting the BLUETOOTH Connection (Bluetooth IN)” on page 30.
- During a call, sound on the BLUETOOTH audio source is muted.
- If you operate the Hands-free phone (e.g. searching in the phonebook) while using the Bluetooth Audio function, BLUETOOTH Audio playback may be affected.
Recalling the Bluetooth Audio Mode
Press ▶ SOURCE to select the BLUETOOTH Audio mode.

Selecting the desired Song

1  Press ◀. 
   Returns the beginning of the song being played back.

2  Press ▶.  
   Forwards the next song. 
   Pressing and holding ◀ or ▶ will fast backward/fast forward track continuously.

Note
• The action depends on the paired device.

Pausing

Press ◀/II. 
A playback stops. Pressing again will resume a playback.

Selecting the desired Group (Folder)

Press 1 ◀ or 2 ▶ to select the desired Group (Folder).

Pressing and holding 1 ◀ or 2 ▶ will change folders continuously.

Note
• This function may not available depending on the paired device.

Searching for a desired song

Artist name, album name, etc., may be searched and displayed during playback or pause.

1  Press ◀/ENTER to activate the search mode.

2  Turn the Rotary encoder to select the desired Group (Folder), and then press ◀/ENTER.

3  Turn the Rotary encoder to select the desired album, folder, etc., within the selected Group (Folder), and then press ◀/ENTER.

4  Repeat step 3 if necessary until the desired song is found.

Notes
• Search mode may differ depending on the connected device.
• The pause mode may be canceled after the search.
• This function may not available depending on the paired device.

Connecting the Flash Memory (optional)

If a Flash Memory device is connected to the unit, MP3/WMA/AAC files can be played back.

Playback

1  Press ▶ SOURCE to select the USB mode.

2  Press ◀ or ▶ to select the desired track (file).  
   Pressing and holding ◀ or ▶ will fast backward/fast forward track continuously.

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

Notes
• Any file protected by DRM (Digital Rights Management) copy protection, cannot be played back on this unit.
• The playback time may not be correctly displayed when a VBR (Variable Bit Rate) recorded file is played back.
• If there is tag information, artist name/album name/song name is displayed.
• If an MP3/WMA/AAC file contains ID3 tag/WMA tag information, the ID3 tag/WMA tag information is displayed (e.g., song name, artist name, and album name). All other tag data is ignored.
• If text information is not compatible with this unit, the display is blank.
• Before disconnecting Flash Memory, be sure to change to another source or set to pause.
• Press ◀ VIEW to switch the display. For details, refer to “Displaying the Text” on page 22.
Repeat Play

1 Press 4.  
The song is played back repeatedly.  
RPT*1 → RPT*2 → (off) → RPT  
*1 Only a file is repeatedly played back.  
*2 Only files in a folder are repeatedly played back.

2 To cancel repeat play, select (off) with the above procedure.  
Note  
• During repeat play, setting M.I.X. to ON will cancel the repeat play.

M.I.X. (Random Play)

1 Press 5 → .  
The songs are played back in random sequence.  
MIX*1 → MIX*2 → (off) → MIX  
*1 All songs in the current folder are played back in random sequence. Any one song does not play back again until all songs have been played back.  
*2 All songs in the Flash Memory are played back in random sequence. Any one song does not play back again until all songs have been played back.

2 To cancel M.I.X. play, select (off) with the above procedure.  
Notes  
• When a song is played back during Random (M.I.X.) play in the USB mode, the song can be played back again randomly even if not all songs in the Flash Memory have been played back.  
• During M.I.X. play, setting repeat play to ON will cancel the M.I.X. play.  
• During repeat play, etc., the track number display for M.I.X. play may be incorrect.

Searching for a desired Song

Flash Memory can contain hundreds of songs. By organizing songs by folder, you can quickly find a desired folder/file. This operation is similar to search a folder/file from PC.

1 Press $ or ENTER to activate the search mode.  
2 Turn the Rotary encoder to select a desired folder/file.  
3 Press $ or ENTER to play the selected file or enter the selected folder.  
Press and hold $ or ENTER for at least 2 seconds to play back all songs in the selected folder.  
4 If a folder is opened in Step 3, Repeat Steps 2 to 3 until the desired folder/file is found.  
Notes  
• If no operation is performed for 60 seconds, the search mode is canceled.  
• The root folder of Flash Memory is displayed as “ROOT”.  
• In the search mode, pressing $ will return to the previous mode.  
• When search is made during M.I.X. play, the M.I.X. play mode will be canceled.  
• If any one of the preset buttons (1 through 6) is pressed in the search mode, a search can be made quickly by skipping to the specified location. For details, refer to “Direct Search Function” on page 38.  
• In the search mode, a search can be made quickly by USB Skip function to find the desired folder/file. For details, refer to “Setting the USB Skip function” on page 28.  
• The total folders/files should be less than 1,000 (512 files for root folder) in each search hierarchy.

Select Folder

Folder can be easily changed. For example, if you listen to a song from a selected folder, the folder can be changed.  

Press 1 or 2 to select the desired Folder.  
Note  
• This function is inactive during MIX ALL playback.

Search Position Memory

During playback, you can quickly return to the last-selected hierarchy level in the search mode.  

Press $ .  
The hierarchy you selected last in the search mode is displayed.
Connecting an iPod/iPhone

An iPod/iPhone can be connected to this unit by using the Interface cable for iPod (included with iPod/iPhone). When this unit is connected by using the cable, the controls on the iPod are not functional.

Notes
- Internet and telephone functions of the iPod touch or iPhone, etc., can also be used while connected to this unit. However, using these functions will stop or pause the playing songs. Stop using any applications or the phone functions before going back to music playback on your device.
- If you connect an iPhone to this unit, it can be used as an iPod. If you use iPhone as a hands-free phone, use the unit in which the BLUETOOTH function is built.

About iPod/iPhone models usable with this unit
- Confirmed devices regarding Made for iPod. Correct function of earlier versions cannot be guaranteed.
  iPod touch (4th generation): Ver.5.1.1
  iPod nano (6th generation): Ver.1.2
  iPod touch (3rd generation): Ver.5.1.1
  iPod nano (5th generation): Ver.1.0.2
  iPod classic (160 GB) (Late 2009): Ver.2.0.4
  iPod touch (2nd generation): Ver.4.2.1
  iPod nano (4th generation): Ver.1.0.4
  iPod classic (120 GB): Ver.2.0.1
  iPod touch (1st generation): Ver.3.1.3
  iPod nano (3rd generation): Ver.1.1.3
  iPod classic (80 GB, 160 GB): Ver.1.1.2
- Confirmed devices regarding Made for iPhone. Correct function of earlier versions cannot be guaranteed.
  iPhone 4S: Ver.5.1.1
  iPhone 4: Ver.5.1.1
  iPhone 3GS: Ver.5.1.1
  iPhone 3G: Ver.4.2.1
  iPhone: Ver.3.1.3
- For clarity in identifying your model of iPod, please see Apple’s own document “Identifying iPod models” at http://support.apple.com/kb/HT1353
- This unit does not support video playback from iPod/iPhone, even using a video-compatible cable.

Setting the iPod Control

When an iPod/iPhone is connected, operate it from its own controls or from the head unit.

1. **Press and hold SOURCE/OPTION for at least 2 seconds in the iPod mode.**
   The Option menu for iPod mode is activated.
2. **Turn the Rotary encoder to select “APP Direct”, and then press SOURCE/OPTION.**
   The iPod control mode will switch between iPod Mode and HU Mode.
   - HU Mode (HEAD UNIT):
     Operate the iPod/iPhone via this unit.
   - iPod Mode:
     Operate the iPod/iPhone using its own controls. When iPod is selected, some functions will not be operable via the head unit.

   **Notes**
   - During HU Mode, you can switch to iPod Mode directly by pressing BAND.
   - Once the control mode is changed, this will set pause status, press SOURCE/OPTION to continue.
   - Depending upon the iPod used, iPod control may not be selectable. Or, if iPod is selected, operation must still be from the head unit.

Playback

1. **Press SOURCE to switch to the iPod mode.**
2. **Press or to select the desired song.**
   Pressing and holding or will fast backward/fast forward the current song.
3. **To pause playback, press .**
   Pressing again will resume playback.

   **Notes**
   - A song playing on the iPod/iPhone while it is connected to this unit will continue to play from where it was paused after disconnection.
   - If you listen to an episode from a selected podcast or audiobook, the episode can be changed by pressing or .
   - An episode may have several chapters. The chapter can be changed by pressing or .
Searching for a desired Song

An iPod/iPhone can contain hundreds of songs. This unit utilizes various methods to make searches for desired content as simple as possible. Each music category has its own individual hierarchy as shown below. Choose a music category from the list below to narrow searches quickly.

<table>
<thead>
<tr>
<th>Hierarchy 1</th>
<th>Hierarchy 2</th>
<th>Hierarchy 3</th>
<th>Hierarchy 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Playlist</td>
<td>Song</td>
<td>Song</td>
<td>Song</td>
</tr>
<tr>
<td>Artist*</td>
<td>Album*</td>
<td>Song</td>
<td>Song</td>
</tr>
<tr>
<td>Album*</td>
<td>Song</td>
<td>Song</td>
<td>Song</td>
</tr>
<tr>
<td>Song</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Podcast</td>
<td>Episode</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genre*</td>
<td>Artist*</td>
<td>Album*</td>
<td>Song</td>
</tr>
<tr>
<td>Composer*</td>
<td>Album*</td>
<td>Song</td>
<td></td>
</tr>
<tr>
<td>Audibook</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Genius Mix list</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For example:
Searching by Artist name.
The following example explains how an Artist search is performed. Another search mode can be used for the same operation, although the hierarchy differs.

1. Press \(/\) ENTER to activate the search selection mode.

2. Turn the Rotary encoder to select the Artist search mode, and then press \(/\) ENTER.
   - Shuffle All*1 
   - Shuffle All*1
   - Shuffle All*1
   - Shuffle All*1
   *1 Refer to “Random Play Shuffle (M.I.X.)” on page 39.

3. Turn the Rotary encoder to select the desired Artist, and then press \(/\) ENTER.

4. Turn the Rotary encoder to select the desired Album, and then press \(/\) ENTER.

5. Turn the Rotary encoder to select the desired Song, and then press \(/\) ENTER.
   - The selected song is played back.

Notes
- After pressing and holding \(/\) ENTER for at least 2 seconds while in each hierarchy (except Song, Audibook and Genius Mix list hierarchy), all songs of the selected hierarchy are played back.
- After selecting [All] in the search mode, press and hold \(/\) ENTER for at least 2 seconds to play back all songs in the iPod/iPhone or selected search mode.
- If no operation is performed for 60 seconds, the search mode is canceled.
- In the search mode, pressing \(\) will return to the previous mode.
- When search is made during M.I.X. play, the M.I.X. play mode will be canceled.
- "No Song" will be displayed if there are no songs in the selected playlist in the Playlist search mode.
- "No Podcast" will be displayed if there is no podcast data in the iPod/iPhone in the Podcast search mode.
- "No Audibook" will be displayed if there is no audiobook data in the iPod/iPhone in the Audiobook search mode.
- "No Genius" will be displayed if there is no genius mix list data in the Genius Mix search mode.
- "No Podcast" will be displayed if there is no podcast data in the iPod/iPhone. Also, if you press and hold \(/\) ENTER for at least 2 seconds, all songs in the iPod/iPhone are played back.
- Depending on the iPod/iPhone, podcast search is not supported.
- During search mode, a search can be made quickly by Alphabet search function to find the desired artist or song, etc. For details, refer to "Alphabet search function" on page 39.
- If any one of the preset buttons (1 through 6) is pressed in the search mode, a search can be made quickly by skipping to the specified location. For details, refer to "Direct Search Function" on page 38.
- During search mode, a search can be made quickly by Alphabet search function to find the desired artist or song, etc. For details, refer to "Alphabet search function" on page 39.

Direct Search Function

Direct search can be used to jump a fixed percentage of titles within the current search category (album, song, etc.).

In the search mode, press any one of the preset buttons (1 through 6) to quickly skip over a designated percent of your song content.

Song search example:
If there are 100 songs in your iPod/iPhone, they are divided into 6 groups using percentages (shown below). These groups are assigned to preset buttons 1 through 6.

Example 1:
Suppose the song you are searching for is located at around the middle (50%) of your library: press button 4 to jump to the 50th song and turn the Rotary encoder to find the desired song.

Example 2:
Suppose the song you are searching for is located near the end (83%) of your library: press button 6 to jump to the 83rd song and turn the Rotary encoder to find the desired song.

<table>
<thead>
<tr>
<th>All 100 songs (100%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
</tr>
<tr>
<td>Preset buttons</td>
</tr>
<tr>
<td>1</td>
</tr>
<tr>
<td>Songs</td>
</tr>
<tr>
<td>1st song</td>
</tr>
</tbody>
</table>

Notes
- This function is also applicable to CD/MP3/WMA/AAC search.
- This function is inactive during Alphabet Search mode.
- This function is unavailable when Genius Mix list is selected.
**Change Playlist/Artist/Album/Genre/Composer/Episode**

Playlist/Artist/Album/Genre/Composer/Episode can be easily changed. For example, if you listen to a song from a selected album, the previous or next album can be selected.

*Press 1 ♡ or ♢ 2 to change to the previous or next Playlist/Artist/Album/Genre/Composer/Episode.*

**Notes**
- If the song search mode was used to select a song, this function is inactive.
- If an album is selected during an artist search, other albums by that artist are searchable.
- This function is inactive during shuffle (M.I.X.) playback.

**Alphabet search function**

Use the alphabet search function to search for an album, song, etc., by its first letter. Select the first letter of the desired title (album, song, etc.), and the titles beginning with this letter are listed.

1. **In the search mode, press ABC SEARCH.**
   The letter selection list is displayed.

2. **Turn the Rotary encoder to select a desired letter (e.g. M), and then press Q / ENTER.**
   The titles beginning with "M" are listed.

3. **Turn the Rotary encoder to select the desired title.**

**Notes**
- While in Alphabet search mode, pressing ♡ will return to the previous mode.
- If the Playlist search mode is used to search for a song, the Alphabet search function is inactive in the song search hierarchy.
- This function is unavailable when Genius Mix list is selected.

**Search Position Memory**

During iPod/iPhone playback, you can quickly return to the last-selected hierarchy level in the search mode.

*Press ♦.*

The hierarchy you selected last in the search mode is displayed.

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

The Shuffle function of the iPod/iPhone is displayed as M.I.X. on this unit.

**Shuffle Albums:**
The songs on each album are played back in proper order. Upon completion of all the songs on the album, the next album is selected randomly. This continues until all albums have been played.

**Shuffle Songs:**
Song shuffle randomly plays back songs within a selected category (playlist, album, etc.). The songs within the category are played just once until all songs have been played.

1. **Press 5 X.**
   The songs are played back in random sequence.
   MIX 1 → MIX 2 → (off) → MIX ♡
   *1 Shuffle Albums.
   *2 Shuffle Songs.

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

**Note**
- If a song is selected in the album search mode before selecting M.I.X. play, the songs will not play back randomly even when Shuffle Albums is selected.

**Shuffle All:**
Shuffle All plays all songs in the iPod/iPhone randomly. Any one song does not play back again until all songs have been played back.

1. **Press Q / ENTER to activate the search selection mode.**
2. **Turn the Rotary encoder to select Shuffle All, and then press Q / ENTER.**
   To cancel M.I.X. play, press 5 X to select OFF.

**Note**
- If Shuffle All is selected, the selected songs being played back in the search mode are canceled.

**Repeat Play**

Only Repeat One is available for the iPod/iPhone.

**Repeat One:**
A single song is repeatedly played back.

1. **Press ♣ 4.**
   The song is played back repeatedly.
   RPT* → (off) → RPT
   * Repeat One.

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

**Note**
- Depending on the connected iPod, track up/down may be not available during Repeat play.
Displaying the Text

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

Press View. Each press changes the display.

Note
• When the Text Scroll is set to Manual (refer to "Scroll Setting (Text Scroll)" on page 27), press and hold View for at least 2 seconds, the current text will be scrolled one time.

<table>
<thead>
<tr>
<th>Track No./All Songs No.</th>
<th>Artist Name</th>
<th>Song Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elapsed Time</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Album Name</th>
<th>Calendar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Song Name</td>
<td>Clock</td>
</tr>
<tr>
<td>Elapsed Time</td>
<td></td>
</tr>
</tbody>
</table>

*1 TAG information
If the Text Scroll (refer to “Scroll Setting (Text Scroll)” on page 27) is set to “Auto,” the tag information will scroll automatically.
If there is no text information, nothing will be displayed.

*2 The numbers of all songs displayed vary depending on the songs selected by the search.

*3 When the Text Scroll (refer to “Scroll Setting (Text Scroll)” on page 27) is set to “Auto,” the display cannot be switched by pressing View. The display contents switch alternately.

Notes
• Only alphanumeric characters (ASCII) can be displayed.
• The maximum number of characters for the head unit is 64 (64 byte).
• Some characters may not be correctly displayed.
• The display is blank when text information is not compatible with this unit.

Pandora® internet radio
(Optional)

Pandora® internet radio is your own FREE personalized radio now available to stream music on your Smartphone (which runs Android OS or iOS).
Just start with the name of one of your favorite artists, songs or classical composers and Pandora® will create a “station” that plays their music and more music like it.
The unit enables you to interact with your Pandora® account by connecting a Smartphone that has the latest version of the Pandora® application installed.

Notes
• Some Pandora® application functions are not available when using this unit.
• Pandora® is also controllable from an iPod touch with Wi-Fi connection.
• Pandora® is available on iOS and Android OS with this unit.
• Before this operation, set ALPINE APP to USB or BT depending on the connected Smartphone. For details, refer to “Application Setting (APP)” on page 28.

Listening to Pandora®

1. Launch the Pandora® Application on the Smartphone.
2. Press View/SOURCE to switch to the Pandora mode.
3. To pause playback, press III. Pressing III again will resume playback.
4. To skip to the next song, press I.

Notes
• The operation to replay a previous song is not available.
• Pandora® limits the number of skips allowed on their service. If you attempt to skip songs beyond the limit, “Skip Limit” is displayed.
• The unit remembers the source just before turning off the power. If Pandora® is the last SOURCE to be played, it will appear as the SOURCE the next time the unit is power up even if the app is not launched on your Smartphone.
• Pandora® audio could drop out in areas with poor phone coverage.
• The display content varies when ads are received.
• The playback time may not be correctly displayed.
"Thumbs" Feedback

You can personalize your stations with "Thumbs Up" or "Thumbs Down" feedback, which the system takes into account for future music selections.

During playback, press ↑ or ↓ for thumbs up or thumbs down.
- ↑: The "↑" icon appears in the display. Pandora® will add similar music to your station.
- ↓: The "↓" icon is displayed. Pandora® will ban that song from your station, and the current song is skipped. If the number of skips allowed has reached its limit, the current song continues to play back.

Note
- In some situations, "Thumbs" feedback may not be available.

Searching for a Desired Station

You can display your station list and select stations directly from this unit.

Alphabet Search:
1 Press Q / ENTER to activate the Search mode.
2 Turn the Rotary encoder to select "A-Z", and then press Q / ENTER.
   The "A-Z" search mode is activated and the station names are listed alphabetically.
3 Turn the Rotary encoder to select the desired station, and then press Q / ENTER.
   Pandora® will play that station.

Search by Date Added:
1 Press Q / ENTER to activate the Search mode.
2 Turn the Rotary encoder to select "By Date", and then press Q / ENTER.
   The "By Date" search mode is activated and the station name is displayed.
3 Turn the Rotary encoder to select the desired station, and then press Q / ENTER.
   Pandora® will play that station.

Notes
- Your bookmarks can be viewed on your "Profile" page at www.pandora.com.
- In some situations, bookmarks may not be available.
- When Bookmark operation is failed, Bookmark N/A will be displayed.

Creating a New Station

Based on currently playing track or artist, you can create a new station and save to your Pandora® account.

1 During playback, press 4 (New Station).
   The Pandora® New Station screen is displayed.
2 Turn the Rotary encoder to select "Track" or "Artist", and then press Q / ENTER.
   A "New Track" or "New Artist" pop-up screen.
   A New Station based on current track or artist is created.

Notes
- Your New Station can be viewed on your "Profile" page at www.pandora.com.
- In some situations, creating a new station function may not be available.
- If this operation fails, N/A will be displayed.
- When the Smartphone is not connected to this unit, you can create personalized Pandora® stations using the Pandora® Application on your Smartphone. You can also create stations on the web at www.pandora.com.

QuickMix

Use QuickMix to create a playlist based on two or more of your Pandora® stations. Edit your QuickMix station selections on the Pandora® Compatible Application for iPhone when it is not connected to this unit.

1 Press Q / ENTER to activate the Search mode.
2 Turn the Rotary encoder to select "A-Z" or "By Date", and then press Q / ENTER.
   The "A-Z" or "By Date" search mode is activated and the station name is displayed.
3 Press Q / ENTER while selecting "QuickMix".

Notes
- The songs from the created stations are played back in random sequence.
- Select another station during search mode to cancel QuickMix.

Bookmarking a Desired Song or Artist

The currently playing track or artist can be bookmarked and saved to your Pandora® account.

1 During playback, press 3 (Bookmarks).
   The Pandora® Bookmark screen is displayed.
2 Turn the Rotary encoder to select "Track (Bookmark)" or "Artist (Bookmark)" , and then press Q / ENTER.
   The current track or artist is bookmarked. "Bookmark Track" or "Bookmark Artist" is displayed.

Notes
- Your bookmarks can be viewed on your "Profile" page at www.pandora.com.
- In some situations, bookmarks may not be available.
- When Bookmark operation is failed, Bookmark N/A will be displayed.
Search Position Memory

During playback, you can quickly return to the last-selected hierarchy level in the search mode.

Press \(-\).
The hierarchy you selected last in the search mode is displayed.

Changing the Display

Press \(\triangleright\) VIEW.

Elapsed Time → Station Name
Artist Name* → Calendar
Clock

Album Name* → Song Title

Elapsed Time

* TAG information
If there is no text information, nothing will be displayed.

Notes
• The maximum number of characters is 64 (64 byte).
• Some characters may not be correctly displayed.

About the indication display

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

<table>
<thead>
<tr>
<th>Indicator/Mode</th>
<th>Pandora Mode</th>
<th>Pandora Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>(\text{•}  )</td>
<td>Station Name being displayed</td>
<td>Station Name being displayed</td>
</tr>
<tr>
<td>(\text{•}  )</td>
<td>Artist Name being displayed</td>
<td>Artist Name being displayed</td>
</tr>
<tr>
<td>(\text{•}  )</td>
<td>Album Name being displayed</td>
<td>Album Name being displayed</td>
</tr>
<tr>
<td>(\text{•}  )</td>
<td>Song Name being displayed</td>
<td>Song Name being displayed</td>
</tr>
</tbody>
</table>

SiriusXM Satellite Radio Operation (Optional)

SiriusXM Tuner operation:
When a SiriusXM Tuner is connected to this unit, the following operations may be performed.

Receiving Channels with the SiriusXM Tuner

About SiriusXM Satellite Radio
Everything worth listening to is on SiriusXM. Get over 130 channels, including the most commercial-free music, plus the best sports, news, talk and entertainment. A SiriusXM Tuner and Subscription are required. For more information, visit www.siriusxm.com/activatenow, or call 1-866-635-2349.
To activate SiriusXM Canada service, go www.xmradio.ca and click on “ACTIVATE RADIO” in the top right corner, or call 1-877-438-9677.

Note
• The SiriusXM Satellite Radio controls on this unit are available only when a SiriusXM Tuner is connected.

1 Press \(\square\)/SOURCE to activate the Satellite Radio (SiriusXM) mode.

2 Press \(\leftarrow\) or \(\rightarrow\) to select the desired channel.
   Holding down \(\leftarrow\) or \(\rightarrow\) will rapidly browse through the channels.
   Alternatively, you can enter the number of the desired channel using the numeric keypad on an optional remote control.
**SiriusXM Setting**

The following steps 1 to 5 are common to the various SiriusXM functions. For details, refer to each individual function.

1. Press and hold AUDIO / SETUP for at least 2 seconds to activate the SETUP mode.
2. Turn the Rotary encoder to select “SiriusXM”, and then press \( \text{SETUP} / \text{ENTER} \).
   The SiriusXM setup mode is activated.
3. Turn the Rotary encoder to select the desired items and then press \( \text{SETUP} / \text{ENTER} \).
   SiriusXM:
   - Alert Setup ↔ Games Alert Setup ↔ Parental Lock ↔
   - Signal Indicator ↔ Alert Setup
4. Turn the Rotary encoder to change the settings.
5. Press and hold AUDIO / SETUP for at least 2 seconds.
   The SETUP mode is canceled.

**Notes**
- Press \( \text{SETUP} \) to return to the previous mode.
- If no operation is performed for 60 seconds, the unit will return to normal mode automatically.

**Managing Artist and Song Alerts**

The following operations can be performed to change the Alert settings. The Artist and Song Alerts feature allows you to mark Artists and Songs from the current channel and then the unit alerts you later when the marked Artists or Songs are playing on other channels.

**Setting item:** Alert Setup

**Setting contents:**
- Alert List / Alert / All Source Alert / Delete All
- Alert List
  - This menu option allows you to enable the Artist/Song alert for individual Artist/Songs (ON or OFF) or to delete individual stored Artist/Song alerts (Delete).
  1. Turn the Rotary encoder to select Alert List, and then press \( \text{SETUP} / \text{ENTER} \).
  2. Turn the Rotary encoder to select a stored Artist or Song, and then press \( \text{SETUP} / \text{ENTER} \).
  3. Turn the Rotary encoder to Alert to enable (ON) or disable (OFF) the alert for the selected Artist/Song or turn the Rotary encoder to Delete to delete the selected Artist/Song from memory.
- Alert
  - This menu option allows you to temporarily disable the Artist/Song Alerts for all Artists/Songs. When the Alerts are re-enabled, individual Artist/Song Alert disabled in the Alert List menu setting remain disabled.
  - Turn the Rotary encoder to select ON or OFF, and then press \( \text{SETUP} / \text{ENTER} \).
  - If ON is set, the alert for all stored Artists/Songs is enabled.
  - If OFF is set, the alert for all stored Artists/Songs is disabled.
- All Source Alert
  - This menu option allows you to enable the alerts of all sources.
  - Turn the Rotary encoder to select ON or OFF, and then press \( \text{SETUP} / \text{ENTER} \).
  - If ON is set, the alert of all source is enabled.
  - If OFF is set, only the alert of SiriusXM source is enabled.

**Delete All**

This operation will delete all alerts (artists, songs and team) stored in memory.
After selecting this item,

- Turn the Rotary encoder to select YES, and then press \( \text{SETUP} / \text{ENTER} \).

**Setting the Favorite Sports Team Alerts**

This menu option allows you to select your favorite teams, organized by leagues, so that you will be alerted later when your favorite teams are playing on other channels.

**Setting item:** Games Alert Setup

After selecting Games Alert Setup, a sports league list will be displayed.

1. Turn the Rotary encoder to select the desired league, and then press \( \text{SETUP} / \text{ENTER} \).
2. Turn the Rotary encoder to select a team you want to store, and then press \( \text{SETUP} / \text{ENTER} \).
   A “Team Saved” pop-up screen is followed by an “X U(sed)/Y E(mpty)”.
   - X is the total number of Artist/Song/Game alert items stored in memory, and
   - Y is the total number of memory slots still available for storage.
**Note**
- Select “None” on the team list if you do not want to store in memory.

**Setting the Parental Control**

You can lock out channels with passcode protection. Channels that are locked cannot be accessed without entering the passcode. You can unlock a channel or change the passcode using this menu option.

**Setting item:** Parental Lock

**Setting contents:**
- Clear All / Locked Channels / Edit Code

**How to input passcode?**

1. After select Parental Lock, a passcode input screen will be displayed.
2. Input the passcode using the Rotary encoder.
   The initial default 4-digit passcode is set to 0000.
   The passcode is entered one digit at a time with the Rotary encoder.
   The passcode is entered one digit at a time with the Rotary encoder.
   For example, by turning to clockwise 2 steps, the number 1 is displayed.
   After entering the digit, it is displayed as “•” (asterisk).
3. Press \( \text{SETUP} \) and then input the next digit of the passcode as described in step 2.
   Press \( \text{SETUP} \) to delete the current entry return to the previous step.
4. Repeat steps 2 to 3 until the 4 digits of the passcode are entered, and then press \( \text{SETUP} / \text{ENTER} \).
   After the correct passcode is entered, the Clear All/Locked Channels/Edit Code items can be adjusted.

**Clear All:**
Unlock all locked channels.
- Turn the Rotary encoder to select YES, and then press \( \text{SETUP} / \text{ENTER} \).

**Locked Channels:**
After selecting this item, turn the Rotary encoder to select a channel from channel list, press \( \text{SETUP} / \text{ENTER} \) to select to lock or unlock the channel. Locked channels cannot be tuned without entering the passcode.
   The locked channel will be displayed with “L” before channel No.
Edit Code:
Change the passcode.

1 Input the old passcode as steps 1 to 4 in “How to input passcode?”.
   After the old passcode is entered, the new passcode input screen will be displayed.
2 Input the new passcode as steps 1 to 4 in “How to input passcode?”.
   A confirm screen will be displayed and the new passcode must be entered again for confirmation.
   When the passcode is changed successfully, the unit will display Code Saved.

Note
• Keep a note of the numbers somewhere safe in case you should forget it.

Confirming the strength of the SiriusXM signal
You can check the signal strength through this setting item.

Setting item: Signal Indicator

Setting content:
Signal Indicator

Signal Indicator:
This menu item displays the SiriusXM signal strength as Strong, Good, Weak or No Signal.

Note
• If the Signal Indicator reports Weak or No Signal and your vehicle is parked outside with no obstructions to the southern sky, then your SiriusXM antenna may not be properly installed or may have become damaged.

Checking the SiriusXM Radio ID Number
To subscribe to the SiriusXM Satellite Radio service, it is necessary to locate and identify the Radio ID of your SiriusXM Tuner. The Radio ID contains 8 characters and can be found on the bottom of your SiriusXM Tuner or can be displayed on when selecting Channel 0 by following the steps below:

1 While in the Satellite Radio Mode, press 1 or 2 to select channel “0”.
   The unit displays “RADIO ID” and ID number at the same time.

Note
• The Radio ID does not include the letters I, O, S or F.

2 To cancel the ID number display, select a channel other than “0”.

Storing Channel Presets

1 Press BAND to select the desired band you want to store the preset in.
   There are 3 Satellite Radio Preset bands.
   Each press of BAND changes the band: SiriusXM1 → SiriusXM2 → SiriusXM3 → SiriusXM1
2 Tune to the desired channel, and then press and hold (for at least 2 seconds) one of the preset buttons (1 through 6) to store the channel.
   The display then shows the stored Band and preset number (for example, SiriusXM1-3 is shown when preset 3 of BAND1 is selected).

3 Repeat the procedure to store up to 5 other channels onto the same band.

Notes
• A total of 18 channels can be stored in the preset memory: 6 Channels for each band (SiriusXM1, SiriusXM2 and SiriusXM3).
• If you store a new channel into a preset which already has a channel assigned, the current channel will be cleared and replaced with the new one.

Tuning Channels using Presets

1 Press BAND to select the desired band of Presets you wish to access.
2 Press the preset buttons (1 through 6) that has your desired Satellite Radio channel stored in memory.

Storing the desired Artist and Song Alerts
While listening to SiriusXM Satellite Radio, you can be alerted when your favorite songs or artists are playing on other channels. An interruption Alert will be displayed when a matching artist or song is found on another channel. For receiving interruption Alert information, refer to “Receiving and Tuning to an Alert” on page 45.

1 Press and hold 3 or 4 for at least 2 seconds when a Song or the song of an Artist you want to store is playing.
   The Option mode is activated.
2 Turn the Rotary encoder to select Alert Memory, and then press 3 or 4.
3 Turn the Rotary encoder to choose Save Artist? or Save Song? (when available), and then press 3 or 4.

Note
• If both the artist name and song title are not available to save, Artist/Song will be displayed.

4 The new alert was stored in memory.
An "Artist/Song Saved" pop-up screen is followed by an “X U(sed)/Y E(mpty)”.
X is the total number of song titles or artist names stored in memory, and Y is the total number of memory locations still available for storage.

Notes
• If you try to store when the memory is full, “Memory Full” is displayed followed by “Replace/Cancel”. If you want to replace an existing alert item, select “Replace” by turning Rotary encoder, and then press 3 or 4, the existing alert list stored in memory is displayed. Select one of the stored alerts using the Rotary encoder.

4 The new alert was stored in memory.
An "Artist/Song Saved" pop-up screen is followed by an “X U(sed)/Y E(mpty)”.
X is the total number of song titles or artist names stored in memory, and Y is the total number of memory locations still available for storage.

Notes
• If you try to store when the memory is full, “Memory Full” is displayed followed by “Replace/Cancel”. If you want to replace an existing alert item, select “Replace” by turning Rotary encoder, and then press 3 or 4, the existing alert list stored in memory is displayed. Select one of the stored alerts using the Rotary encoder. To replace the selected alert, press 3 or 4 and an “Artist/Song Saved” pop-up screen is followed by an “X U(sed)/Y E(mpty)”.
• You can manage the stored Alert memory setting on Setup mode, for details, refer to “Managing Artist and Song Alerts” on page 43.
• If no operation is performed for 60 seconds, the setting mode is canceled.
Receiving and Tuning to an Alert

Whenever a stored sports team, artist, or song is playing on another channel, an interruption Alert appears on the unit display. To tune to the game, artist or song identified by the alert, follow the steps below:

1. Turn the Rotary encoder to select the desired game, artist or song from the list of active alerts.
2. Press [ ] ENTER.

Notes
- If no operation is performed for 5 seconds, the unit returns to normal mode.
- Sports teams/Artist name and Song title which you have stored and which are currently playing will be displayed in a category called “My Music”/“My Games” in search mode. For details, refer to “Search Function” on page 45.

Search Function

You can search for SiriusXM programming content by Category or by Channel.

1. Press [ ] ENTER in the SiriusXM mode.
2. Turn the Rotary encoder to select the desired Category, and then press [ ] ENTER.
3. Turn the Rotary encoder to select the desired Channel Name, and then press [ ] ENTER to confirm.

Searching by Channel

1. Turn the Rotary encoder to select All Channels after step 1, and then press [ ] ENTER.
   All Channels will be displayed in a list.
2. Turn the Rotary encoder to select the desired channel, and then press [ ] ENTER to confirm.

Note
- Press [ ] VIEW, the information of the broadcasting channels will be displayed. You can choose the desired channel from the artist name list or song name list.
  Each time you press [ ] VIEW, the display changes as below.
  Channel number/Channel name → Channel number/Artist name → Channel number/Song name → Channel number/Channel name

Searching by My Music

1. Turn the Rotary encoder to select My Music* after step 1, and then press [ ] ENTER.
   The artist names and song names that you have stored and are currently playing will be displayed in a list.
   * Displayed only when the stored song or artist is broadcasting.
2. Turn the Rotary encoder to select the desired artist/song, and then press [ ] ENTER to confirm.
   The channel of the selected artist/song being broadcast is received.

Note
- Press [ ] VIEW, the information of the broadcasting channels will be displayed. You can choose the desired channel from the artist name list or song name list.
  Each time you press [ ] VIEW, the display changes as below.
  Channel number/Channel name → Channel number/Artist name → Channel number/Song name → Channel number/Channel name

Searching by My Games

1. Turn the Rotary encoder to select My Games* after step 1, and then press [ ] ENTER.
   The sport teams that you have stored and the game is currently broadcasting will be displayed in a list.
   * Displayed only when the game of stored team is broadcasting.
2. Turn the Rotary encoder to select the desired team, and then press [ ] ENTER to confirm.
   The channel of the selected game being broadcast is received.

Notes
- The Search mode is canceled if no operation is performed for 60 seconds in Search mode.
- Press [ ] in the search mode to return to the previous mode.

Using Jump Memory and Jump Recall function

1. While in SiriusXM mode, select your favorite SiriusXM Channel.
2. Press and hold [ ]/II for at least 2 seconds.
   The channel you selected is stored as the Jump Source.
3. Press and hold BAND for at least 2 seconds to recall, and then tune to the saved Jump Source channel.

Notes
- Pressing and holding BAND again for at least 2 seconds will jump back to the previous mode or SiriusXM channel.
- During saved Jump Source channel playing, search function, channel up/down, etc. are not available.
Replay Function

In SiriusXM mode, you can pause, rewind and replay of live SiriusXM Satellite Radio.

1. While listening to a SiriusXM channel, press ►/II to enter the Replay mode, which mutes the audio. The display will show “D” while in this mode.

2. Press ►/II again to resume playback of the stored audio from the point at which it was paused. During playback, the SiriusXM Tuner will continue to store the channel audio until you exit the Replay mode.

During REPLAY playback:
- Fast rewind: Press and hold ◄.
- Fast forward: Press and hold ►.
- Returning to the beginning of the current song: Press ◄.
- Advancing to the beginning of the next song: Press ►.

Notes
- If you continue to press Fast forward until the end, the Replay mode is canceled, and the unit will change to live SiriusXM radio mode.
- If you change channels while in Replay mode, the unit will exit Replay mode to live Satellite Radio mode and clear the Replay memory.

3. Press ◄ to cancel the REPLAY mode. The unit returns to live SiriusXM radio mode.

Parental Lock Function

This function can help restrict the listening of channels to children of appropriate age levels only. For information on setting the Parental Control passcode, refer to “Setting the Parental Control” on page 43. When a locked channel is selected, a “Channel Locked” pop-up screen is displayed.

Input the 4-digit passcode you set in, and then press ◄/ENTER, refer to “Setting the Parental Control” on page 43.

Turn the Rotary encoder to select the number from 0-9, and then use ◄ or ► to adjust the digit.

The initial number is 0000.

Notes
- If you input a wrong passcode, “Wrong Code” is displayed.
- After entering the correct passcode, you can access all locked channels without entering the passcode again until the unit is powered off and then back on.

Storing iTunes Tagging information

iTunes Tagging lets you tag songs heard on SiriusXM channels. Use this unit in conjunction with an optional SiriusXM Tuner and a Tagging compatible iPod/iPhone to tag the music that you listen to. This tag information is automatically transferred to your iPod/iPhone. Later, when your iPod/iPhone is connected to iTunes, you can preview, buy and download your tagged songs. For details, refer to the Owner’s Manual of the Tagging compatible iPod/iPhone.

The Tag indicator will light when a song playing on a SiriusXM channel has tag information available.

Press and hold 0 VIEW for at least 2 seconds to save its tag information.

If no iPod/iPhone is connected, “Tag Count X” is displayed (X is the total amount of the tag information stored in this unit).

Notes
- During tagging, the iPod/iPhone takes priority to save the tag information. If no iPod/iPhone is connected, the tag information is saved to this unit.
- When the memory of iPod/iPhone is full, “iPod Full” and “Tag Count X” are displayed. The tag information will be stored to the unit.
- If the operation is failed, “Cannot Tag” is displayed.
- This unit can store up to 50 tagged songs. When the memory of the unit is full, “Tag Count50” and “Memory Full” are displayed.
- When an iPod that doesn’t support the tagging function is connected, “Non-Tagging iPod” is displayed.
- When the iPod/iPhone is disconnected from the unit during tagging, its tag information will be stored in the unit.
- If there is stored tag information on the unit, when an iPod/iPhone supporting the tagging function is connected, the stored tag information will be transferred to the iPod/iPhone automatically. When the iPod/iPhone memory becomes full, “iPod Full” will be displayed, and any remaining tag information on the unit will not be transferred to the iPod/iPhone.
- If tag information already exists, “Already Tagged” will be displayed when you try to tag information again.

Changing the Display

Text information, such as the channel name, artist name/feature and song/program title, is available with each SiriusXM channel. The unit can display this text information as explained below.

In SiriusXM mode, press 0 VIEW.

Each time you press this button, the display changes as shown below.

Channel Number/Channel Name → Artist Name*/Song Title* → Content info./Category Name* → Clock → Channel Number/Channel Name

* If there is no text information, nothing will be displayed.

About the indication display

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

<table>
<thead>
<tr>
<th>Indicator/Mode</th>
<th>SiriusXM Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH</td>
<td>Channel Number being displayed</td>
</tr>
<tr>
<td>CH:</td>
<td>Channel Name being displayed</td>
</tr>
<tr>
<td>D</td>
<td>Artist Name being displayed</td>
</tr>
<tr>
<td>J</td>
<td>Song Title being displayed</td>
</tr>
<tr>
<td>⤫</td>
<td>Content INFO being displayed</td>
</tr>
<tr>
<td>CAT</td>
<td>Category Name being displayed</td>
</tr>
</tbody>
</table>
In Case of Difficulty

If you encounter a problem, turn the power off, then on again. If the unit is still not functioning normally, 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.

**No function or display.**
- Vehicle's ignition is off.
- Improper power lead (Red) and battery lead (Yellow) connections.
- Blown fuse.
- Internal micro-computer malfunctioned due to interference noise etc.

**Unable to receive stations.**
- No antenna or open connection in cable.
- You are in a weak signal area.
- The antenna may not be the proper length.

**Broadcast is noisy.**
- The antenna is not the proper length.
- The disc has scratches.
- The pick-up lens is dirty.

**CD Player not functioning.**
- Out of operating temperature range +50°C (+120°F) for CD.
- The CD is being improperly inserted.
- CD playback sound is wavering.
- CD insertion not possible.

**Unable to fast forward or backward the CD.**
- The CD has been damaged.
- CD playback sound skips due to vibration.
- CD playback sound skips without vibration.
- Error displays (built-in CD player only).

**MP3/WMA/AAC**
- MP3, WMA or AAC is not played back.
- The sound is not output from the speakers.

**Audio**
- The sound is not output from the speakers.

**iPod**
- iPod does not play and no sound is output.

**Indication for CD Player**

---

**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.
- If the disc still does not eject, consult your Alpine dealer.
48-EN

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 the disc cannot be ejected by pressing, press the RESET switch (refer to “Initial System Start-Up” on page 10) and press again.
  - If the disc still cannot be ejected, consult your Alpine dealer.

Unsupported

- A sampling rate/bit rate not supported by the unit is used.
  - Use a sampling rate/bit rate that is supported by the unit.

Indication for Flash Memory

Error-01

- Database error or decoder error.
  - You can solve the problem by switching the source.

Error-02

- Communication error or boot error, etc.
  - You can solve the problem by reconnecting the Flash Memory or format the USB Memory.

Current Error

- Abnormal current is run to the USB connector device.
  - You can solve the problem by switching the source.

USB Device Error

- A USB device that is not supported by the unit is connected.
  - Connect a USB device that is supported by the unit.

No USB Unit

- A Flash Memory is not connected.
  - Make sure the Flash Memory device is correctly connected and the cable is not excessively bent.

No Song

- No song (file) is stored in the Flash Memory.
  - Connect the Flash Memory device after storing songs (files).

Protect

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

Indication for iPod Mode

No USB Unit

- The iPod/iPhone is not connected.
  - Make sure the iPod/iPhone is correctly connected (refer to “Connections” on page 54).
    - Make sure the cable is not bent excessively.

No Song

- There are no songs in the iPod/iPhone.
  - Download songs to the iPod/iPhone and connect to this unit.

Error-01

- Communication error or boot error, etc.
  - You can solve the problem by reconnecting the iPod/iPhone or changing source.

Error-02

- The iPod/iPhone version is too low.
  - Update the iPod/iPhone version.

Error-03

- The iPod/iPhone is not verified.
  - You can solve the problem by reconnecting the iPod/iPhone.

BLUETOOTH mode

No Unit

- The BLUETOOTH device is not connected.
  - Connect the BLUETOOTH device.

SiriusXM Advisory Messages

The following messages may be displayed while operating the unit in SiriusXM mode.

Check Tuner

- The SiriusXM tuner is disconnected or the unit is having trouble communicating with Tuner.
  - Connect the Tuner or check the Tuner connection to the back of the unit.
Check Antenna

- The SiriusXM Satellite Radio antenna or cable is either damaged or not connected correctly to the SiriusXM Tuner.
  - Check that the SiriusXM antenna cable is connected to the SiriusXM Tuner and check that the antenna cable is not kinked or otherwise damaged. Replace the antenna if necessary.

No Signal

- The SiriusXM satellite signal is too weak at the current location.
  - Move the vehicle to a location with a clear view of the southern sky.
  - Make sure the Satellite Radio antenna is properly mounted and not obstructed by metal objects.

Channel UnSubscribed

- The active channel has become unsubscribed or the requested channel is not available in your subscription package.

  Note
  - The unit will revert to the previous selected channel or to channel 1 automatically.
  - Visit www.siriusxm.com for information on subscribing to this channel.

Channel UnAvailable

- The active channel is no longer in the SiriusXM channel lineup or the user has entered an invalid channel number.

  Note
  - The unit will revert to the previous channel or to channel 1 automatically.
  - Visit www.siriusxm.com for information on the current channel lineup.

Subscription Updated

Press Any Key to Continue

- Your subscription has been updated.
  - Press any button to clear this message.

Channel Locked

- A locked channel is selected.
  - Input the passcode. On how to input passcode, refer to “Setting the Parental Control” on page 43.

  Note
  - If wrong passcode is input, “Wrong Code” will be displayed and the unit will revert to the previous selected channel.

Memory Full

- Buffer for Replay is full.

Indication for Pandora® Mode

No Pandora

- A Smartphone is not connected.
  - Make sure a Smartphone is correctly connected.

No Station

- You have not created any personalized Pandora® Stations.
  - When you are not driving, use the Pandora® Compatible Application on the Smartphone to create your Pandora® station(s).

See Device

- The music cannot be played because the Pandora® Compatible Application on the Smartphone requires the user's attention.
  - When you are not driving, please see the Pandora® Compatible Application on the Smartphone.

No Service

- You switched CDE-HD149BT to Pandora® mode by pressing \h/ SOURCE with a Smartphone connected, without launching or installing the Pandora® Application.
  - Launch the Pandora® Application on the Smartphone.
  - Select a source other than Pandora® by pressing \h/SOURCE.

Memory Short

- Buffer for Replay will full within 11 seconds.
# Specifications

## FM TUNER SECTION
- Tuning Range: 87.7–107.9 MHz
- Mono Usable Sensitivity: 9.3 dBf (0.8 μV/75 ohms)
- 50 dB Quieting Sensitivity: 13.5 dBf (1.3 μV/75 ohms)
- Alternate Channel Selectivity: 80 dB
- Signal-to-Noise Ratio: 65 dB
- Stereo Separation: 35 dB
- Capture Ratio: 2.0 dB

## AM TUNER SECTION
- Tuning Range: 530–1,710 kHz
- Sensitivity (IEC Standard): 22.5 μV/27 dB

## CD PLAYER SECTION
- Frequency Response: 5–20,000 Hz (±1 dB)
-Wow & Flutter (% WRMS): Below measurable limits
- Total Harmonic Distortion: 0.008% (at 1 kHz)
- Dynamic Range: 95 dB (at 1 kHz)
- Signal-to-Noise Ratio: 105 dB
- Channel Separation: 85 dB (at 1 kHz)

## PICKUP
- Wave length: 795 nm
- Laser power: CLASS I

## USB SECTION
- USB requirements: USB 1.1/2.0
- Max. Power Consumption: Smartphone charge-capable
- USB Class: Mass Storage
- File System: FAT 12/16/32
- MP3 Decoding: MPEG AUDIO Layer-3
- WMA Decoding: Windows Media™ Audio
- AAC Decoding: AAC-LC format "m4a" file

## BLUETOOTH SECTION
- BLUETOOTH Specification: Bluetooth V2.1 + EDR
- Output Power: +4 dBm Max. (Power class 2)
- Profile: HFP (Hands-Free Profile)
- HSP (Head Set Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)

## GENERAL
- Power Requirement: 14.4 V DC (11–16 V allowable)
- Power Output: 18 W RMS × 4

*Primary amplifier ratings per CEA-2006 Standard*
- Power output: measured at 4 Ohms and ≤ 1% THD+N
- S/N: 80 dBA (reference: 1 W into 4 Ohms)

**Maximum Pre-Output Voltage**: 4 V/10 k ohms
- Bass: ±9.1 dB at 100 Hz
- Treble: ±9.1 dB at 10 kHz
- Loudness: 10 dB at 100 Hz
- Weight: 1.5 kg (3 lbs. 5 oz)

## CHASSIS SIZE
- Width: 178 mm (7"
- Height: 50 mm (2"
- Depth: 161.5 mm (6–3/8"

## NOSEPIECE SIZE
- Width: 168 mm (6–5/8"
- Height: 45 mm (1–3/4"
- Depth: 24 mm (1"

**Note**
- Due to continuous product improvement, specifications and design are subject to change without notice.
Installation and Connections

Before installing or connecting the unit, please read the following and refer to "Operating Instructions" on page 6 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.
(Use only 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 BATTERIES OUT OF THE REACH OF CHILDREN.
Swallowing them may result in serious injury. If swallowed, consult a physician immediately.

⚠️ 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 CDE-HD149BT. This will reduce any chance of damage to the unit in case of a short-circuit.
• Be sure to connect the color 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 CDE-HD149BT to the fuse box, make sure the fuse for the intended circuit of the CDE-HD149BT 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 CDE-HD149BT 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

1 CAUTION
When you install this unit in your car, do not remove the detachable front panel. If the detachable front panel is removed during installation, you might press too hard and warp the metal plate that holds it in place. The main unit must be mounted within 35 degrees of the horizontal plane, back to front.

1 Remove the mounting sleeve from the main unit (Refer to "Removal" on page 52).

2 Reinforce the head unit with the metal mounting strap (not supplied). Secure the ground lead of the unit to a clean metal spot.
Connect each input lead coming from an amplifier to the corresponding output lead coming from the left rear of the CDE-HD149BT. Connect all other leads of the CDE-HD149BT according to details described in the CONNECTIONS section.

Note
• For the screw marked "•", use an appropriate screw for the chosen mounting location.

3 Slide the CDE-HD149BT into the dashboard until it clicks. 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 Insert the bracket keys into the unit, along the guides on either side. The unit can now be removed from the mounting sleeve.

3 Pull the unit out, keeping it unlocked as you do so.
**iPod/iPhone Connection** (sold separately)

Connect USB cable to an iPod/iPhone with Interface cable for iPod.

**Remove the iPod/iPhone**

Remove the iPod/iPhone from Interface cable for iPod.

**Notes**

- After changing the unit to a source other than the USB iPod, remove the iPod/iPhone. If the iPod/iPhone is removed in the USB iPod mode, data may cause damage.
- If sound is not output or the iPod/iPhone is not recognized even when the iPod/iPhone is connected, remove the iPod/iPhone once, then connect it again, or reset the iPod.
- Do not leave the iPod/iPhone in a vehicle for a long time. Heat and humidity may damage the iPod/iPhone and you may not be able to play it again.

**Flash Memory Connection** (sold separately)

Connect Flash Memory

Connect the USB cable to the USB connector of the unit.

**Remove Flash Memory**

Pull out Flash Memory squarely from the USB cable.

**Notes**

- When removing Flash Memory, pull it out straight.
- If sound is not output or Flash Memory is not recognized even when Flash Memory is connected, remove Flash Memory once, then connect it again.

**Mounting the Microphone**

For the sake of safety, mount the microphone in the following location.
- In a stable and secure location.
- In a location that does not inhibit safely driving the vehicle.
- Mount the microphone in a location where the driver’s voice can easily be picked up.

Choose a location for the microphone that can easily pick up the drivers voice. Requiring the driver to move towards the microphone for audibility causes a distraction that could be dangerous.

**Using the Rear AUX Input Connector**

Connect a portable music player, etc. by simply connecting it to the Rear Aux Input Connector. An optional adapter cable is required (standard RCA to 3.5ø mini-phono plug or 3.5ø to 3.5ø mini phono plug).

Press  

**Note**

- This function is available only when AUX IN is set to ON. For details, refer to “Setting the AUX SETUP mode” on page 26.
1. **Rear USB Terminal**
   Connect this to a Flash Memory or an iPod/iPhone (sold separately).

2. **Power Antenna Lead (Blue)**
   Connect this lead to the +B terminal of your power antenna, if applicable.
   
   **Note**
   - 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.

3. **Remote Turn-On Lead (Blue/White)**
   Connect this lead to the remote turn-on lead of your amplifier or signal processor.

4. **Illumination Lead (Orange)**
   This lead may be connected to the vehicle’s instrument cluster illumination lead. This will allow the backlighting of this unit to dim whenever the vehicle’s lights are turned on.

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. **Battery Lead (Yellow)**
   Connect this lead to the positive (+) post of the vehicle’s battery.

7. **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.

8. **Right Front (+) Speaker Output Lead (Gray)**
9. **Right Front (−) Speaker Output Lead (Gray/Black)**
10. **Right Rear (−) Speaker Output Lead (Violet/Black)**
11. **Right Rear (+) Speaker Output Lead (Violet)**
12. **Left Rear (+) Speaker Output Lead (Green)**
13. **Left Rear (−) Speaker Output Lead (Green/Black)**
14. **Left Front (−) Speaker Output Lead (White/Black)**
15. **Left Front (+) Speaker Output Lead (White)**

16. **Antenna Receptacle**
17. **Front Output RCA Connectors**
   RED is right and WHITE is left.
18. **Rear Output RCA Connectors**
   RED is right and WHITE is left.
19. **Subwoofer Output RCA Connectors**
   RED is right and WHITE is left.
20. **SiriusXM Tuner connector**
    Connect to SiriusXM Tuner.
21. **Steering Remote Control Interface Connector**
    To steering remote control interface box. You can operate this unit from the vehicle’s control unit when an Alpine Steering Remote Control Interface Box (optional) is connected. For details, contact your Alpine dealer.
22. **MIC Input Connector**
    To Microphone.
23. **Fuse Holder (10A)**
24. **Power Supply Connector**
25. **Microphone (Supplied)**
26. **Rear Aux Input Connector (Black)**
   This connector allows for input of audio from an external device (such as a portable player), using a commercially-available converter cable.
27. **RCA Extension Cable (sold separately)**

---

**To prevent external noise from entering the audio system.**
- Locate the unit and route the leads at least 10 cm 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.
LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or contact Alpine at one of the telephone numbers listed below.

● PRODUCTS COVERED:
This Warranty covers Car Audio Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

● LENGTH OF WARRANTY:
This Warranty is in effect for one year from the date of the first consumer purchase.

● WHO IS COVERED:
This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

● WHAT IS COVERED:
This Warranty covers defects in materials or workmanship (parts and labor) in the product.

● WHAT IS NOT COVERED:
This Warranty does not cover the following:

① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident or abuse, including burned voice coils caused by over-driving the speaker (amplifier level is turned up and driven into distortion or clipping). Speaker mechanical failure (e.g. punctures, tears or rips). Cracked or damaged LCD panels. Dropped or damaged hard drives.
③ Damage caused by negligence, misuse, improper operation or failure to follow instructions contained in the Owner's manual.
④ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature. Any cost or expense related to the removal or reinstallation of the product.
⑤ Service performed by an unauthorized person, company or association.
⑥ Any product which has the serial number defaced, altered or removed.
⑦ Any product which has been adjusted, altered or modified without Alpine's consent.
⑧ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑨ Any product not purchased from an Authorized Alpine Dealer.

● HOW TO OBTAIN WARRANTY SERVICE:
① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You must supply proof of your purchase of the product.
③ You must package the product securely to avoid damage during shipment. To prevent lost packages it is recommended to use a carrier that provides a tracking service.

● HOW WE LIMIT IMPLIED WARRANTIES:
ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF THE PRODUCT.

● HOW WE EXCLUDE CERTAIN DAMAGES:
ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM "INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT, BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

● HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:
This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state and province to province. In addition, some states/provinces do not allow limitations on how long an implied warranty lasts, and some do not allow the exclusion or limitation of incidental or consequential damages. Accordingly, limitations as to these matters contained herein may not apply to you.

● IN CANADA ONLY:
This Warranty is not valid unless your Alpine car audio product has been installed in your vehicle by an Authorized Installation Center, and this warranty stamped upon installation by the installation center.

● HOW TO CONTACT CUSTOMER SERVICE:
Should the product require service, please call the following number for your nearest Authorized Alpine Service Center.

<table>
<thead>
<tr>
<th>SERVICE</th>
<th>NUMBER</th>
</tr>
</thead>
<tbody>
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<td>CAR AUDIO</td>
<td>1-800-ALPINE-1 (1-800-257-4631)</td>
</tr>
<tr>
<td>NAVIGATION</td>
<td>1-888-NAV-HELP (1-888-628-4357)</td>
</tr>
</tbody>
</table>

Or visit our website at; http://www.alpine-usa.com

ALPINE ELECTRONICS OF AMERICA, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
ALPINE ELECTRONICS OF CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada

Do not send products to these addresses.
Call the toll free telephone number or visit the website to locate a service center.
About the Rules of Bluetooth Electromagnetic Radiation Regulation

<table>
<thead>
<tr>
<th>USA/Canada</th>
<th>FCC CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment. This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device. Le présent appareil est conforme aux la partie 15 des régles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l’utilisateur de l’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.</td>
<td></td>
</tr>
<tr>
<td>This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person’s body (excluding extremities: hands, wrists, feet and ankles). Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition dans le Supplément C à OET65 et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l’IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l'exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l’exception des extrémités : mains, poignets, pieds et chevilles).</td>
<td></td>
</tr>
</tbody>
</table>

| México | La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada. |

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.

Don't forget to take a moment to protect your purchase by registering your product now at the following address: www.alpine-usa.com/registration.

N'oubliez pas de consacrer un moment à la protection de votre achat en enregistrant votre produit dès maintenant à l'adresse suivante : www.alpine-usa.com/registration.

Recuerde que con solo unos pocos pasos podrá proteger su producto, registrándolo a través de la siguiente dirección: www.alpine-usa.com/registration.
For details on all functions, refer to the Owner's Manual stored in the supplied CD-ROM. (As it is data CD, the CD cannot be used for playing back music and images on the player.) If required, an ALPINE dealer will readily provide you with a print out of the Owner's Manual contained in the CD-ROM.

Pour obtenir de plus amples informations sur l'ensemble des fonctions, reportez-vous au mode d'emploi fourni sur le CD-ROM. (Étant donné qu'il s'agit d'un CD de données, ce CD ne peut pas être utilisé pour lire des fichiers audio ou image sur le lecteur.) Si vous le souhaitez, demandez à votre revendeur ALPINE de vous fournir la version papier du mode d'emploi contenu dans le CD-ROM.

Para obtener información detallada de todas las funciones, consulte el manual del propietario contenido en el CD-ROM que se suministra. (Al ser un CD de datos, el CD no se puede utilizar para reproducir música o imágenes en el reproductor.) Si es necesario, un distribuidor de ALPINE podrá facilitarle una copia impresa del manual del propietario incluido en el CD-ROM.

Please register your product at www.alpine-usa.com/registration for a chance to win prizes.

Enregistrez-vous sur www.alpine-usa.com/registration et tentez de remporter des prix.

Regístre su producto en la dirección www.alpine-usa.com/registration para optar a excelentes premios.
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IMPORTANT
Please record the serial number of your unit in the space provided below and keep it as a permanent record.

SERIAL NUMBER: __________________________________________
INSTALLATION DATE: ______________________________________
INSTALLATION TECHNICIAN: _________________________________
PLACE OF PURCHASE: _______________________________________

IMPORTANT
Veuillez inscrire le numéro de série de votre appareil dans l’espace prévu ci-contre et conservez-le soigneusement dans vos archives.

NUMÉRO DE SÉRIE : ________________________________________
DATE D’INSTALLATION : _____________________________________
INSTALLATEUR : ___________________________________________
LIEU D’ACHAT : ___________________________________________

IMPORTANTE
Anote el número de serie de la unidad en el espacio proporcionado a continuación y consérvelo como registro permanente.

NÚMERO DE SERIE: ______________________________________
FECHA DE INSTALACIÓN: _________________________________
INSTALADOR: ___________________________________________
LUGAR DE ADQUISICIÓN: _________________________________
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 NOISES WHILE DRIVING. Excessive volume levels that obscure sounds such as emergency vehicle sirens or road warning signals (train crossings, etc.) can be dangerous and may result in an accident. LISTENING AT LOUD VOLUME LEVELS IN A CAR MAY ALSO CAUSE HEARING DAMAGE.

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 BATTERIES 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.

AVERTISSEMENT

Ce symbole désigne des instructions importantes. Le non-respect de ces instructions peut entraîner de graves blessures, voire la mort.

N’ACTIVER AUCUNE FONCTION SUSCEPTIBLE DE DETOURNER VOTRE ATTENTION DE LA CONDUITE DU VEHICULE.

Les fonctions requérant une attention prolongée ne doivent être exploitées qu’à l’arrêt complet du véhicule. Toujours arrêter le véhicule à un endroit sûr avant d’activer ces fonctions. Il y a risque de provoquer un accident.

GARDER LE VOLUME À FAIBLE NIVEAU DE MANIÈRE À POUVOIR ENTENDRE LES BRUITS EXTÉRIEURS PENDANT LA CONDUITE.

Des niveaux de volume excessifs qui couvrent les sirènes des ambulances ou les signaux routiers (passages à niveau, etc.) peuvent être dangereux et provoquer un accident. UN NIVEAU DE VOLUME TROP ÉLEVÉ À L’INTÉRIEUR DU VEHICULE PEUT ÉGALEMENT AVOIR DES EFFETS IRREVERSIBLES SUR VOTRE AUDITION.

NE PAS DESASSEMBLER NI MODIFIER L’APPAREIL.

Il y a risque d’accident, d’incendie ou de choc électrique.

A UTILISER UNIQUEMENT SUR DES VOITURES A MASSE NEGATIVE DE 12 VOLTS. (Vérifiez auprès de votre concessionnaire si vous n’en êtes pas certain.) Il y a risque d’incendie, etc.

GARDER LES PETITS OBJETS COMME LES PILES HORS DE PORTÉE DES ENFANTS.

L’ingestion de tels objets peut entraîner de graves blessures. En cas d’ingestion, consulter immédiatement un médecin.

UTILISER DES FUSIBLES DE L’AMPERAGE APPROPRIE.

Il y a risque d’incendie ou de décharge électrique.

NE PAS OBSTRUIR LES SORTIES D’AIR NI LES PANNEAUX DU RADIATEUR.

Une surchauffe interne peut se produire et provoquer un incendie.

ADVERTENCIA

Este símbolo indica que las instrucciones son importantes. De no tenerse en cuenta, podría ocasionarse heridas graves o muerte.

NO REALICE NINGUNA OPERACIÓN QUE PUEDA DISTRAER SU ATENCIÓN Y COMPROMETER LA SEGURIDAD DURANTE LA CONDUCCIÓN DEL VEHÍCULO.

Las operaciones que requieren su atención durante más tiempo sólo deben realizarse después de detener completamente el vehículo. Estacione el vehículo en un lugar seguro antes de realizar dichas operaciones. De lo contrario, podría ocasionar un accidente.

MANTENGA EL VOLUMEN A UN NIVEL QUE NO LE IMPIDA ESCUCAR LOS SONIDOS DEL EXTERIOR MIENTRAS CONDUCE.

Los niveles de volumen demasiado altos que reducen la percepción de otros sonidos como las sirenas de emergencia o posibles señales acústicas de advertencia en carretera (cruces de trenes, etc.) podrían ser peligrosos y provocar un accidente. LOS NIVELES DE VOLUMEN ALTOS EN EL VEHÍCULO TAMBIÉN PUEDEN DAÑAR EL SISTEMA AUDITIVO DE LOS PASAJEROS.

NO DESMONTE NI ALTERE LA UNIDAD.

Si lo hace, podrá ocasionar un accidente, un incendio o una descarga eléctrica.

UTILICE LA UNIDAD SOLAMENTE EN VEHÍCULOS QUE TENGAN 12 VOLTIOS CON NEGATIVO A MASA.

(Consulte a su distribuidor en caso de duda.) De no ser así, podría ocasionar un incendio, etc.

MANTENGA LOS OBJETOS PEQUEÑOS, COMO LAS PILAS, FUERA DEL ALCANCE DE LOS NIÑOS.

La ingestión de estos objetos puede provocar lesiones graves. Si esto ocurre, consulte con un médico inmediatamente.

UTILICE EL AMPERAJE Correcto CUANDO CAMBIE FUSIBLES.

De lo contrario, puede producirse un incendio o una descarga eléctrica.

NO OBSTRUYA LOS ORIFICIOS DE VENTILACIÓN O LOS PANELES DEL RADIADOR.

Si los bloquea, el calor podría acumularse en el interior y producir un incendio.
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.

MAKE THE CORRECT CONNECTIONS.
Failure to make the proper connections may result in fire or product damage.

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.

DO NOT INSTALL IN LOCATIONS WHICH MIGHT HINDER VEHICLE OPERATION, SUCH AS THE STEERING WHEEL OR GEARSHIFT.
Doing so may obstruct forward vision or hamper movement etc. and results in serious accident.

UTILISER CET APPAREIL POUR DES APPLICATIONS MOBILES DE 12 V.
Toute utilisation autre que l’application désignée comporte un risque d’incendie, de choc électrique ou de blessure.

NE PAS INTRODUIRE LES MAINS, LES DOIGTS NI DE CORPS ETRANGERS DANS LES FENTES ET LES INTERSTICES.
Il y a risque de blessures ou de dommages à l’appareil.

EFFECTUER CORRECTEMENT LES CONNEXIONS.
Il y a risque de blessures ou de dommages à l’appareil.

AVANT TOUTE CONNEXION, DEBRANCHER LE CABLE DE LA BORNE NEGATIVE DE LA BATTERIE.
Il y a risque de choc électrique ou de blessure par courts-circuits.

NE PAS DENUIDER LES CABLES ELECTRIQUES.
Ne jamais enlever la gaine isolante pour alimenter un autre appareil. Il y a risque de dépassement de la capacité de courant et, parant, d’incendie ou de choc électrique.

NE PAS ENDOMMAGER DE CONDUITES NI DE CABLES LORS DU FORAGE DES TROUS.
Lors du forage de trous dans le châssis en vue de l’installation, veiller à ne pas entrer en contact, endommager ou obstruer de conduites, de tuyaux à carburant ou de fils électriques. Le non-respect de cette précaution peut entraîner un incendie.

NE PAS UTILISER DES ECROUS NI DES BOULONS DU CIRCUIT DE FREINAGE OU DE DIRECTION POUR LES CONNEXIONS DE MASSE.
Les boulons et les écrous utilisés pour les circuits de freinage et de direction (ou de tout autre système de sécurité) ou les réservoirs ne peuvent JAMAIS être utilisés pour l’installation ou la liaison à la masse. L’utilisation de ces organes peut désactiver le système de contrôle du véhicule et causer un incendie, etc.

NE PAS INSTALLER A DES ENDROITS SUSCEPTIBLES D’ENTRaver LA CONDUITE DU VÉHICULE, COMME LE VOLANT OU LE LEVIER DE VITESSES.
La vue vers l’avant pourrait être obstruée ou les mouvements gênés, etc., et provoquer un accident grave.

UTILICE ESTE PRODUCTO CON APLICACIONES MÓVILES DE 12 V.
Si se emplea para otra aplicación distinta de la prevista, podría producirse un incendio, una descarga eléctrica u otras lesiones.

NO INTRODUZCA LAS MANOS, LOS DEDOS NI OTROS OBJETOS EXTRAÑOS EN LAS RANURAS DE INSERCIÓN O EN LAS ABERTURAS.
Si lo hiciera, podría sufrir heridas u ocasionar daños al equipo.

REALICE LAS CONEXIONES CORRECTAMENTE.
Una conexión incorrecta puede producir un incendio o dañar el equipo.

ANTES DE EFECTUAR EL CABLEADO, DESCONECTE EL CABLE DEL TERMINAL NEGATIVO DE LA BATERÍA.
De no hacerlo así, podría ocasionar una descarga eléctrica o heridas debido a cortocircuitos eléctricos.

NO EMPALME CABLES ELÉCTRICOS.
Nunca corte el aislamiento de un cable para suministrar energía a otro equipo. Esto hace que la capacidad portadora del cable se supere y puede ser la causa de incendios o descargas eléctricas.

EVITE DAÑAR LOS TUBOS Y EL CABLEADO CUANDO TALADRE AGUJEROS.
Si taladra agujeros en el chasis durante la instalación, tome las precauciones necesarias para no rozar, dañar o obstruir los tubos, las tuberías de combustible, los depósitos o el cableado eléctrico. De lo contrario, podría provocar un incendio.

NO UTILICE TuerCAS O PERnos EN EL SISTEMA DE FREnos O DE DIRECCIÓN PARA REALIZAR LAS CONEXIONES A MASa.
Los pernos o tuercas empleados en los sistemas de freno o de dirección (o en cualquier otro sistema relacionado con la seguridad del vehículo), o los depósitos, NUNCA deben utilizarse para instalaciones de cableado o conexión a masa. Si utiliza tales partes podrá incapacitar el control del vehículo y provocar un incendio, etc.

NO INSTALE EL EQUIPO EN LUGARES QUE PUEDAN INTERFERIR CON LA OPERACIÓN DEL VEHÍCULO, COMO EL VOLANTE DE DIRECCIÓN O LA CAJA DE CAMBIOS DE VELOCIDAD.
Esto podría obstaculizar la visibilidad y dificultar el movimiento, etc. y provocar accidentes graves.
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 Center for repairing.

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.

ATTENTION

Ce symbole désigne des instructions importantes. Le non-respect de ces instructions peut entraîner des blessures ou des dégâts matériels.

INTERROMPRE TOUTE UTILISATION EN CAS DE PROBLEME.
Le non-respect de cette précaution peut entraîner des blessures ou endommager l’appareil. Retourner l’appareil auprès du distributeur Alpine agréé ou un centre de service après-vente Alpine en vue de la réparation.

FAIRE INSTALLER LE CABLAGE ET L’APPAREIL PAR DES EXPERTS.
Le câblage et l’installation de cet appareil requiert des compétences techniques et de l’expérience. Pour garantir la sécurité, faire procéder à l’installation de cet appareil par le distributeur qui vous l’a vendu.

UTILISER LES ACCESSOIRES SPECIFIES ET LES INSTALLER CORRECTEMENT.
Utiliser uniquement les accessoires spécifiés. L’utilisation d’autres composants que les composants spécifiés peut causer des dommages internes à cet appareil ou son installation risque de ne pas être effectuée correctement. Les pièces utilisées risquent de se desserrer et de provoquer des dommages ou une défaillance de l’appareil.

FAIRE CHEMINER LE CABLAGE DE MANIERE A NE PAS LE COINCER CONTRE UNE ARÊTE METALLIQUE.
Faire cheminer les câbles à l’écart des pièces mobiles (comme les rails d’un siège) et des arêtes acérées ou pointues. Cela évitera ainsi de coincer et d’endommager les câbles. Si un câble passe dans un orifice métallique, utiliser un passe-cloison en caoutchouc pour éviter que la gaine isolante du câble ne soit endommagée par le rebord métallique de l’orifice.

NE PAS INSTALLER A DES ENDOITS TRES HUMIDES OU POUSSIÈREUX.
Éviter d’installer l’appareil à des endroits soumis à une forte humidité ou à de la poussière en excès. La pénétration d’humidité ou de poussière à l’intérieur de cet appareil risque de provoquer une défaillance.

PRUDENCIA

Este símbolo indica que las instrucciones son importantes. De no tenerse en cuenta, podría ocasionarse heridas graves o daños materiales.

DEJE DE USAR LA UNIDAD INMEDIATAMENTE SI APARECE ALGÚN PROBLEMA.
Su uso en estas condiciones podría ocasionar lesiones personales o daños al producto. Lleve la unidad a un distribuidor Alpine autorizado o al Centro de servicio Alpine más próximo para repararla.

CONFÍE EL CABLEADO Y LA INSTALACIÓN A PROFESIONALES.
El cableado y la instalación de este equipo requieren una competencia y experiencia técnica confirmada. Para garantizar la seguridad, póngase siempre en contacto con el distribuidor al que ha comprado el equipo para confiarle estas tareas.

UTILICE LOS ACCESORIOS ESPECIFICADOS E INSTÁLELOS CORRECTAMENTE.
Asegúrese de utilizar los accesorios especificados solamente. La utilización de otras piezas no designadas puede ser la causa de daños en el interior de la unidad o de una instalación incorrecta. Las piezas pueden aflojarse, lo que, además de ser peligroso, puede provocar averías.

DISPONGA EL CABLEADO DE FORMA QUE LOS CABLES NO SE DOBLEN, NO SE CONTRAIGAN NI ROCEN UN BORDE METÁLICO AFLADO.
Aleje los cables y el cableado de piezas móviles (como los raíles de los asientos) o de bordes puntiagudos o afilados. De esta forma evitará dobleces y daños en el cableado. Si los cables se introducen por un orificio de metal, utilice una arandela de goma para evitar que el borde metálico del orificio corte el aislamiento del cable.

NO INSTALE LA UNIDAD EN LUGARES MUY HÚMEDOS O LLENSOS DE POLVO.
Evite instalar la unidad en lugares con altos índices de humedad o polvo. Si entra polvo o humedad, el equipo puede averiarse.
### Getting Started / Mise en route / Primeros pasos

#### Turning Power On
- **English**: Press any button (except **Q**) to turn power on.
- **Français**: Appuyez sur n'importe quel bouton (sauf **Q**) pour mettre l'appareil sous tension.
- **Español**: Pulse cualquier botón (excepto **Q**) para encender la unidad.
  - Press and hold **Q/✓** for at least 2 seconds to turn off the unit.
  - Maintenez la touche **Q/✓** enfoncée pendant 2 secondes au moins pour mettre l'appareil hors tension.
  - Mantenga pulsado **Q/✓** durante, al menos, 2 segundos para apagar la unidad.

#### Changing the Source

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Turning Power On</strong></td>
<td><strong>Mise sous tension</strong></td>
<td><strong>Encendido de la unidad</strong></td>
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<td><strong>Press any button (except <strong>Q</strong>) to turn power on.</strong></td>
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<td><strong>Press and hold <strong>Q/✓</strong> for at least 2 seconds to turn off the unit.</strong></td>
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<tr>
<td>HD Radio → SiriusXM<em>1 → Disc → USB/iPod</em>2 → BLUETOOTH Audio<em>3 → PANDORA</em>4 → Auxiliary*5 → HD Radio</td>
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</tr>
<tr>
<td>*1 Displayed only when a SiriusXM Tuner is connected.</td>
<td>*1 S'affiche uniquement lors du raccordement d'un SiriusXM Tuner.</td>
<td>*1 Aparece solo si se conecta un SiriusXM Tuner.</td>
</tr>
<tr>
<td>*2 Displayed only when the iPod/iPhone is connected.</td>
<td>*2 S'affiche uniquement lorsqu'un iPod/iPhone est connecté.</td>
<td>*2 Aparece solo si hay un iPod/iPhone conectado.</td>
</tr>
<tr>
<td>*3 Displayed only when Bluetooth IN is set to ON.</td>
<td>*3 Ne s'affiche que lorsque Bluetooth IN est réglé sur ON.</td>
<td>*3 Aparece solo si se ha seleccionado la posición ON para Bluetooth IN.</td>
</tr>
<tr>
<td>*4 Not displayed when Alpine APP is set to OFF.</td>
<td>*4 S'affiche uniquement lorsque Alpine APP est réglé sur OFF.</td>
<td>*4 Aparece solo si Alpine APP está ajustado en OFF.</td>
</tr>
<tr>
<td>*5 Displayed only when the AUX IN is set to ON.</td>
<td>*5 Ne s'affiche que lorsque AUX IN est réglé sur ON.</td>
<td>*5 Aparece solo si se ha seleccionado la posición ON para AUX IN.</td>
</tr>
<tr>
<td></td>
<td>Adjusting Volume</td>
<td>Réglage du volume</td>
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<tr>
<td>---------------</td>
<td>--------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td><strong>Displaying the Text</strong></td>
<td>The display will change every time the button is pressed.</td>
<td>L'affichage change chaque fois que vous appuyez sur cette touche.</td>
</tr>
<tr>
<td><strong>Mute</strong></td>
<td>Mute ON</td>
<td>Mute ON</td>
</tr>
<tr>
<td></td>
<td>Mute OFF</td>
<td>Mute OFF</td>
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</tbody>
</table>
**HD Radio™ Reception / Réception de la HD Radio™ / Recepción de HD Radio™**

- This unit is able to receive both Digital signals and Analog signals. Depending on the setting of Listen Mode, the unit will choose the signal type to receive. / Cet appareil est capable de recevoir des signaux aussi bien numériques qu’analogiques. Selon le paramètre défini dans Listen Mode, l’appareil recevra le type de signal choisi. / Esta unidad puede recibir tanto señales digitales como señales analógicas. En función del ajuste definido para Listen Mode, la unidad seleccionará el tipo de señal que se va a recibir.

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<tbody>
<tr>
<td><strong>About HD Radio signals</strong>&lt;br&gt;When current AM/FM broadcasters are transmitting digital audio and data services, HD Radio signals are on-the-air in their service area. You can receive their digital broadcast and enjoy high quality sound.</td>
<td><strong>Au sujet des signaux HD Radio</strong>&lt;br&gt;Lorsque les organismes de radiodiffusion AM/FM transmettent des signaux sonores et des services de données numériques, les signaux HD Radio sont disponibles dans leur zone de service. Vous pouvez recevoir ces signaux numériques et profiter d’une qualité sonore exceptionnelle.</td>
<td><strong>Acerca de las señales de HD Radio</strong>&lt;br&gt;Cuando los difusores actuales de AM/FM están transmitiendo servicios de audio y datos digitales, las señales de HD Radio están disponibles en la zona de servicio. Puede recibir las señales digitales y disfrutar de sonido digital de alta calidad.</td>
<td></td>
</tr>
<tr>
<td><strong>Changing the Band</strong>&lt;br&gt;FM1 → FM2 → AM → FM1</td>
<td><strong>Changement de fréquence</strong>&lt;br&gt;FM1 → FM2 → AM → FM1</td>
<td><strong>Cambio de la banda</strong>&lt;br&gt;FM1 → FM2 → AM → FM1</td>
<td></td>
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<tr>
<td></td>
<td>Presetting Stations</td>
<td>Préréglage automatique des stations</td>
<td>Almacenamiento automático de emisoras</td>
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<tr>
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</tr>
<tr>
<td>3</td>
<td>Automatically</td>
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<td></td>
</tr>
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<td></td>
<td>Press and hold for at least 2 seconds.</td>
<td>Maintenez cette touche enfoncée</td>
<td>Pulse y mantenga presionado durante al</td>
</tr>
<tr>
<td></td>
<td>The tuner will automatically seek and</td>
<td>pendant au moins 2 secondes.</td>
<td>menos 2 segundos.</td>
</tr>
<tr>
<td></td>
<td>store 6 strong stations in the selected</td>
<td>Le tuner recherche et mémorise</td>
<td>El sintonizador buscará y almacenará</td>
</tr>
<tr>
<td></td>
<td>band.</td>
<td>automatiquement les 6 stations les</td>
<td>automáticamente 6 emisoras de señal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>plus puissantes sur la gamme</td>
<td>intensa en la banda seleccionada.</td>
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<tr>
<td></td>
<td></td>
<td>sélectionnée.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Tuning to Preset Stations</td>
<td>Accord d’une station préréglée</td>
<td>Sintonía de emisoras memorizadas</td>
</tr>
<tr>
<td></td>
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</tbody>
</table>
Receiving a Multicast Station / Réception d’une station de multidiffusion / Recepción de una emisora multidifusión

Multicasting is the ability to broadcast multiple program streams over a single FM frequency. When a radio station multicast is received, the “Multicast” indicator lights. / Le multiplexage est une technique par laquelle plusieurs programmes sont transmis en utilisant la même bande de fréquences FM. Lorsqu’une station radio de multiplexage est reçue, l’indicateur « Multicast » s’allume. / La recepción de multiemisoras consiste en la emisión de varios flujos de emisoras en una sola frecuencia FM. Cuando se recibe una emisora de radio multiemisora, se ilumina el indicador “Multicast.”

<table>
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<tbody>
<tr>
<td>1</td>
<td>Choose a frequency with the Multicast indicator on.</td>
<td>Choisissez une fréquence avec l’indicateur Multicast allumé.</td>
<td>Elija una frecuencia con el indicador de multiemisora activado.</td>
</tr>
<tr>
<td></td>
<td>• Make sure Listen Mode is set to other than Analog.</td>
<td>• Vérifiez que Listen Mode est défini sur un réglage autre que Analog.</td>
<td>• Asegúrese de que Listen Mode está ajustado en cualquier opción distinta de Analog.</td>
</tr>
<tr>
<td>2</td>
<td>Select the desired program service. Receiving the Multicast Station Program Service.</td>
<td>Sélectionnez le service de programme désiré. Réception du service de programme de la station de multidiffusion.</td>
<td>Selecione el servicio de programa deseado. Recepción del servicio de la emisora multidifusión.</td>
</tr>
<tr>
<td></td>
<td>• Make sure to set Multi Cast Seek to ON.</td>
<td>• Assurez-vous d’avoir réglé Multi Cast Seek sur ON.</td>
<td>• Asegúrese de activar el parámetro Multi Cast Seek.</td>
</tr>
</tbody>
</table>
### CD/MP3/WMA/AAC

<table>
<thead>
<tr>
<th></th>
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<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Pause and Playback" /></td>
<td><strong>Pause and Playback</strong></td>
<td><strong>Pause et lecture</strong></td>
<td><strong>Pausa y reproducción</strong></td>
</tr>
</tbody>
</table>
| ![Selecting the desired song](image) | **Selecting the desired song**  
Press and release the `<<` or `>>` to skip to the beginning of the current song or the next song. | ** Sélection du morceau de votre choix**  
Appuyez sur la touche `<<` ou `>>`, puis relâchez-la pour aller au début du morceau actuel ou du morceau précédent. | **Selección de la canción deseada**  
Pulse y suelte `<<` o `>>` para omitir el principio de la canción actual o de la siguiente. |
| ![Selecting the desired folder](image) | **Selecting the desired folder**  
(MP3/WMA/AAC) | ** Sélection du dossier de votre choix (MP3/WMA/AAC)** | **Selección de la carpeta deseada (MP3/WMA/AAC)** |
<table>
<thead>
<tr>
<th>M.I.X. (Random Play)</th>
<th>M.I.X. (Lecture aléatoire)</th>
<th>M.I.X. (Reproducción aleatoria)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MIX ☐</td>
<td>MIX ☐</td>
<td>MIX ☐</td>
</tr>
<tr>
<td>MIX ALL</td>
<td>MIX ALL</td>
<td>MIX ALL</td>
</tr>
<tr>
<td>(off)</td>
<td>(off)</td>
<td>(off)</td>
</tr>
<tr>
<td>: Only files in a folder are played back in random sequence. (MP3/WMA/AAC)</td>
<td>: Seuls Les fichiers d'un dossier sont lus dans un ordre aléatoire. (MP3/WMA/AAC)</td>
<td>: Solo se reproducen en secuencia aleatoria los archivos incluidos en una carpeta. (MP3/WMA/AAC)</td>
</tr>
<tr>
<td>: The tracks/files are played back in random sequence.</td>
<td>: Les pistes/fichiers sont lus dans un ordre aléatoire.</td>
<td>: Los archivos/pistas se reproducen en secuencia aleatoria.</td>
</tr>
<tr>
<td>(off)</td>
<td>(off)</td>
<td>(off)</td>
</tr>
<tr>
<td>: Cancel</td>
<td>: Annulation</td>
<td>: Cancelar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Repeat Play</th>
<th>Lecture répétée</th>
<th>Repetición de reproducción</th>
</tr>
</thead>
<tbody>
<tr>
<td>RPT ☐</td>
<td>RPT ☐</td>
<td>RPT ☐</td>
</tr>
<tr>
<td>: Only a track/file is repeatedly played back. (MP3/WMA/AAC)</td>
<td>: Une seule piste/fichier est lue d'une manière répétée. (MP3/WMA/AAC)</td>
<td>: Solo se reproduce varias veces una pista/archivo. (MP3/WMA/AAC)</td>
</tr>
<tr>
<td>(off)</td>
<td>(off)</td>
<td>(off)</td>
</tr>
<tr>
<td>: Cancel</td>
<td>: Annulation</td>
<td>: Cancelar</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Open the front panel</th>
<th>Ouvrez le panneau avant</th>
<th>Apertura del panel frontal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eject</td>
<td>Éjection</td>
<td>Expulsar</td>
</tr>
</tbody>
</table>
### About BLUETOOTH

BLUETOOTH is a wireless technology allowing communication between a mobile device or personal computer over short distances. This enables a hands-free call or data transmission between BLUETOOTH compatible devices.

### Pairing with a BLUETOOTH compatible device

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use your BLUETOOTH compatible device to search and select “Alpine CD Receiver”.</td>
<td>Recherchez puis sélectionnez « Alpine CD Receiver » depuis votre appareil compatible BLUETOOTH.</td>
<td>Utilice su dispositivo compatible con BLUETOOTH para buscar y seleccionar “Alpine CD Receiver”.</td>
</tr>
<tr>
<td>2</td>
<td><strong>&lt;For devices with Secure Simple Pairing (SSP)&gt;</strong>&lt;br&gt;The head unit will ask to “PAIR”. Turn the Rotary encoder to select “Pairing YES”, and then press Q/ENTER.</td>
<td><strong>&lt;Pour les appareils compatibles Secure Simple Pairing (SSP)&gt;</strong>&lt;br&gt;L’autoradio affichera le message « PAIR ». Tournez le bouton rotatif pour sélectionner le mode « Pairing YES », puis appuyez sur Q/ENTER.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>3</td>
<td><strong>&lt;For all other devices&gt;</strong>&lt;br&gt;When prompted by the head unit, input the Passcode “0000” on the BLUETOOTH compatible device.</td>
<td><strong>&lt;Pour tous les autres appareils&gt;</strong>&lt;br&gt;Entrez le code « 0000 » sur le périphérique BLUETOOTH compatible lorsque l’autoradio vous le demande.</td>
</tr>
<tr>
<td></td>
<td><strong>When pairing is successful, “Connected” will be displayed on the head unit.</strong></td>
<td><strong>Lorsque l’association est réussie, le message « Connected » s’affiche sur l’autoradio.</strong></td>
</tr>
</tbody>
</table>
### Calling / Appel / Llamadas

<table>
<thead>
<tr>
<th></th>
<th><strong>English</strong></th>
<th><strong>Français</strong></th>
<th><strong>Español</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Activate the outgoing method list selection mode.</strong></td>
<td><strong>Activer le mode de sélection par liste de la méthode de sortie.</strong></td>
<td><strong>Active el modo de selección de método de llamada saliente.</strong></td>
</tr>
<tr>
<td>2</td>
<td><strong>Select a desired outgoing mode from Dialed/Received/Missed/Phone Book.</strong></td>
<td><strong>Choisissez le mode de sortie désiré parmi Dialed/Received/Missed/Phone Book.</strong></td>
<td><strong>Seleccionne el modo de llamadas salientes deseado entre Dialed/Received/Missed/Phone Book.</strong></td>
</tr>
<tr>
<td>3</td>
<td><strong>Enter.</strong></td>
<td><strong>Entrée.</strong></td>
<td><strong>Pulse Intro para confirmar.</strong></td>
</tr>
<tr>
<td>4</td>
<td><strong>Select the desired name or telephone number.</strong></td>
<td><strong>Sélectionnez le nom ou le numéro de téléphone souhaité.</strong></td>
<td><strong>Selecciónne el nombre o el número de teléfono que desee.</strong></td>
</tr>
<tr>
<td>5</td>
<td><strong>Enter.</strong> <strong>The selected telephone will be called.</strong></td>
<td><strong>Entrée.</strong> <strong>Le téléphone sélectionné est appelé.</strong></td>
<td><strong>Pulse Intro para confirmar. El teléfono llamará al número seleccionado.</strong></td>
</tr>
</tbody>
</table>
### Answering the Incoming Call / Répondre à un appel entrant / Cómo responder a una llamada entrante

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
</table>
| Answer the call.  
The call starts.  
You can also answer the call by pressing ~/ENTER.  
• When “Auto Answer” is set to ON, the call is answered automatically after about 5 seconds. | Répondez à l’appel.  
L’appel commence.  
Vous pouvez également répondre à l’appel en appuyant sur ~/ENTER.  
• Lorsque « Auto Answer » est réglé sur ON, l’appel est automatiquement pris après environ 5 secondes. | Responda a la llamada.  
La llamada se iniciará.  
También puede responder la llamada pulsando ~/ENTER.  
• Si el parámetro “Auto Answer” se configura como ON, la llamada se responde automáticamente tras 5 segundos aproximadamente. |

### Hanging up the Telephone / Raccrocher le téléphone / Cómo colgar el teléfono

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>End the call.</td>
<td>Terminez l’appel.</td>
<td>Ponga fin a la llamada.</td>
</tr>
<tr>
<td></td>
<td><strong>English</strong></td>
<td><strong>Français</strong></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>1</td>
<td>Press and hold for at least 2 seconds to activate the Voice Recognition mode.</td>
<td>Maintenez cette touche enfoncee pendant au moins 2 secondes pour activer le mode de reconnaissance vocale.</td>
</tr>
<tr>
<td>2</td>
<td>After the Voice Recognition mode is activated and “Speak” is displayed, you can make a phone call, play a song, etc., via this unit by inputting voice control commands*.</td>
<td>Une fois le mode de reconnaissance vocale activé et « Speak » affiché, vous pouvez passer un appel, écouter un morceau, etc. sur cet appareil en saisissant des commandes vocales*.</td>
</tr>
</tbody>
</table>

* Please refer to your Smartphone manual for other voice control commands.

• You can perform this operation only when a Voice recognition compatible Smartphone is connected. If the Smartphone is not compatible with the Voice recognition, “No Support” is displayed for 2 seconds.
• The Voice recognition function performance depends on the recognition range of the Smartphone and mounting location of the microphone. Please pay attention when the microphone is mounted.
• Voice recognition operation depends on the function of the Smartphone. For details, refer to the Owner’s Manual of the Smartphone.
• If a called person that you say is not found, “No Call” is displayed for 2 seconds.
• Please obey all local traffic laws while using this function.

• Vous pouvez effectuer cette operation uniquement lorsque vous raccordez un Smartphone compatible avec la reconnaissance vocale. Si le Smartphone n’est pas compatible avec la reconnaissance vocale, « No Support » s’affiche pendant 2 secondes.
• La disponibilité de la reconnaissance vocale dépend du fonctionnement du Smartphone. Pour plus d’informations, reportez-vous au mode d’emploi du Smartphone.
• Si une personne dont vous prononcez le nom est inqruvable, « No Call » s’affiche pendant 2 secondes.
• Veuillez respecter le code de la route local lorsque vous utilisez cette fonction.

• Solo puede realizar esta operación si el teléfono inteligente conectado es compatible con el reconocimiento de voz. Si el teléfono inteligente no es compatible con el reconocimiento de voz, aparece “No Support” durante 2 segundos.
• El funcionamiento del reconocimiento de voz depende del campo de reconocimiento del teléfono inteligente y la posición de instalación del microfón. Preste atención al instalar el microfón.
• El reconocimiento de voz depende de las funciones del teléfono inteligente. Para obtener más información, consulte el manual de instrucciones del teléfono inteligente.
• Si no se encuentra la persona cuyo nombre pronuncia, aparece “No Call” durante 2 segundos.
• Respete siempre el código de circulación mientras utilice esta función.
### Flash memory (Optional) / Clé USB (en option) / Memoria Flash (Opcional)

- If a Flash memory device is connected to this unit, MP3/WMA/AAC files stored in the Flash memory device can be played back. / Si un périphérique de mémoire flash est relié à cet appareil, il est possible de lire les fichiers MP3/WMA/AAC qui y sont stockés. / Si hay un dispositivo de memoria flash conectado a esta unidad, es posible reproducir los archivos MP3/WMA/AAC almacenados en el dispositivo de memoria flash.

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Pause and Playback</strong></td>
<td><strong>Pause et lecture</strong></td>
<td><strong>Pausa y reproducción</strong></td>
</tr>
</tbody>
</table>

#### Selecting the desired song

- Press and release the ◀◀ or ▶▶ to skip to the beginning of the current song or the next song.
- Press and hold ◀◀ or ▶▶ to fast backward or fast forward.

#### Sélection du morceau de votre choix

- Appuyez sur la touche ◀◀ ou ▶▶, puis relâchez-la pour aller au début du morceau actuel ou du morceau précédent.
- Maintenez la touche ◀◀ ou ▶▶ enfoncée pour effectuer une recherche rapide vers l’arrière ou vers l’avant.

#### Selección de la canción deseada

- Pulse y suelte ◀◀ o ▶▶ para omitir el principio de la canción actual o de la siguiente.
- Pulse y mantenga presionado ◀◀ o ▶▶ para el avance o el retroceso rápido.
<table>
<thead>
<tr>
<th>M.I.X. (Random Play)</th>
<th>M.I.X. (Lecture aléatoire)</th>
<th>M.I.X. (Reproducción aleatoria)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MIX</strong></td>
<td>All songs in the current folder are played back in random sequence.</td>
<td><strong>MIX</strong></td>
</tr>
<tr>
<td><strong>MIX ALL</strong></td>
<td>All songs in the Flash memory are played back in random sequence.</td>
<td><strong>MIX ALL</strong></td>
</tr>
<tr>
<td>(off)</td>
<td>Cancel</td>
<td>(off)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Repeat Play</strong></th>
<th><strong>Lecture répétée</strong></th>
<th><strong>Repetición de reproducción</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>RPT</strong></td>
<td>Only a file is repeatedly played back.</td>
<td><strong>RPT</strong></td>
</tr>
<tr>
<td><strong>RPT</strong></td>
<td>Only files in a folder are repeatedly played back.</td>
<td><strong>RPT</strong></td>
</tr>
<tr>
<td>(off)</td>
<td>Cancel</td>
<td>(off)</td>
</tr>
</tbody>
</table>
### iPod/iPhone (Optional) / iPod/iPhone (en option) / iPod/iPhone (Opcional)

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>An iPod/iPhone can be connected to this unit by using the Interface cable for iPod (included with iPod/iPhone).</td>
<td>Vous pouvez connecter un iPod/iPhone à cet appareil à l'aide du câble d'interface pour iPod (Inclus avec iPod/iPhone).</td>
<td>Es posible conectar un iPod/iPhone a esta unidad mediante el cable de interfaz para iPod (se incluye con el dispositivo iPod/iPhone).</td>
</tr>
<tr>
<td><strong>Recalling the iPod Mode</strong>&lt;br&gt;Select the iPod mode.</td>
<td><strong>Rappel du mode iPod</strong>&lt;br&gt;Sélectionnez le mode iPod.</td>
<td><strong>Invocación del modo iPod</strong>&lt;br&gt;Selezione el modo iPod.</td>
</tr>
<tr>
<td><strong>Pause and Playback</strong></td>
<td><strong>Pause et lecture</strong></td>
<td><strong>Pausa y reproducción</strong></td>
</tr>
<tr>
<td><strong>Selecting the desired song</strong>&lt;br&gt;Press and release the button or to skip to the beginning of the current song or the next song.</td>
<td>** Sélection du morceau de votre choix**&lt;br&gt;Appuyez sur la touche ou , puis relâchez-la pour aller au début du morceau actuel ou du morceau précédent.</td>
<td><strong>Selección de la canción deseada</strong>&lt;br&gt;Pulse y suelte o para omitir el principio de la canción actual o de la siguiente.</td>
</tr>
<tr>
<td>Press and hold button or to fast backward or fast forward through the current song.</td>
<td>Maintenez la touche ou enfoncée pour une recherche rapide vers l'arrière ou vers l'avant au sein du morceau actuel.</td>
<td>Mantenga pulsado o para avanzar o retroceder rápido en la canción actual.</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>---------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td><strong>MIX (Shuffle Albums):</strong></td>
<td><strong>MIX (Lecture aléatoire des albums):</strong></td>
<td><strong>MIX (Reproducir álbumes de forma aleatoria):</strong></td>
</tr>
<tr>
<td>Album shuffle playback plays back all songs in order, then randomly selects the next album.</td>
<td>La lecture aléatoire de l'album lit tous les morceaux dans l'ordre, puis sélectionne au hasard l'album suivant.</td>
<td>La reproducción aleatoria de álbumes reproduce todas las canciones en orden y, a continuación, selecciona el siguiente álbum de forma aleatoria.</td>
</tr>
<tr>
<td><strong>MIX (Shuffle Songs):</strong></td>
<td><strong>MIX (Lecture aléatoire des morceaux):</strong></td>
<td><strong>MIX (Reproducir canciones de forma aleatoria):</strong></td>
</tr>
<tr>
<td>Song shuffle randomly plays back songs within a selected category (playlist, album, etc.).</td>
<td>Cette fonction lit de manière aléatoire les morceaux d'une catégorie choisie (liste d'écoute, album, etc.).</td>
<td>La reproducción aleatoria de canciones reproduce las canciones de una categoría seleccionada (lista de reproducción, álbum, etc.).</td>
</tr>
<tr>
<td>(off) : Cancel</td>
<td>(off) : Annulation</td>
<td>(off) : Cancel</td>
</tr>
</tbody>
</table>

**Random Play Shuffle All**

1. Press  / ENTER to activate the search selection mode.
2. Turn the Rotary encoder to select Shuffle All, and then press  / ENTER.

Shuffle All : Shuffle All plays all songs in the iPod/iPhone randomly.

- Press  to cancel the Shuffle All mode.

**Lecture aléatoire All**

1. Appuyez sur  / ENTER pour activer le mode de sélection de recherche.
2. Tournez le Bouton rotatif pour sélectionner Shuffle All, puis appuyez sur  / ENTER.

Shuffle All : La lecture aléatoire All lit tous les morceaux de l'iPod/iPhone de manière aléatoire.

- Appuyez sur  pour annuler le mode de lecture aléatoire All.

**Reproducción aleatoria Reproducir todo de forma aleatoria**

1. Pulse  / ENTER para activar el modo de selección de búsqueda.
2. Gire el Codificador giratorio para seleccionar Shuffle All y, a continuación, pulse  / ENTER.

Shuffle All : La reproducción de todo de forma aleatoria reproduce todas las canciones del iPod/iPhone de forma aleatoria.

- Pulse  para dejar de reproducir todo de forma aleatoria.

**Repeat Play**

RPT : Only a song is repeatedly played back.

(off) : Cancel

**Lecture répétée**

RPT : Un seul morceau est lu d'une manière répétée.

(off) : Annulation

**Repetición de reproducción**

RPT : Solo se reproduce varias veces una canción.

(off) : Cancelar
Searching for a desired Song (iPod/iPhone) / Recherche d’un morceau souhaité (iPod/iPhone) / Búsqueda de la canción deseada (iPod/iPhone)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Playlist/Liste de lecture/Lista de reproducción</td>
<td>Song/Morceau/Canción</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Artist/Artiste/Artista</td>
<td>Album/Album/Álbum</td>
<td>Song/Morceau/Canción</td>
<td>—</td>
</tr>
<tr>
<td>Album/Album/Álbum</td>
<td>Song/Morceau/Canción</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Song/Morceau/Canción</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Podcast/Podcast</td>
<td>Episode/Épisode/Episodio</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Genre/Genre/Género</td>
<td>Artist/Artiste/Artista</td>
<td>Album/Album/Álbum</td>
<td>Song/Morceau/Canción</td>
</tr>
<tr>
<td>Composer/Compositeur/Compositor</td>
<td>Album/Album/Álbum</td>
<td>Song/Morceau/Canción</td>
<td>—</td>
</tr>
<tr>
<td>Audiobook/Livre audio/Audiolibro</td>
<td>—</td>
<td>—</td>
<td>—</td>
</tr>
<tr>
<td>Genius Mix list/Liste Mix Genius/Lista Genius Mix</td>
<td>—</td>
<td>—</td>
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</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activate the search selection mode.</td>
<td>Activez le mode de sélection de recherche.</td>
<td>Active el modo de selección de búsqueda.</td>
</tr>
<tr>
<td>Select the desired search mode. Playlist/Artist/Album/Song/Podcast/Genre/Composer/Audiobook/Genius Mix</td>
<td>Sélectionnez le mode de recherche de votre choix. Playlist/Artist/Album/Song/Podcast/Genre/Composer/Audiobook/Genius Mix</td>
<td>Seleccione el modo de búsqueda deseado. Playlist/Artist/Album/Song/Podcast/Genre/Composer/Audiobook/Genius Mix</td>
</tr>
<tr>
<td>Step</td>
<td>Action</td>
<td>Description</td>
</tr>
<tr>
<td>------</td>
<td>--------</td>
<td>-------------</td>
</tr>
<tr>
<td>3</td>
<td>Enter</td>
<td>Enter.</td>
</tr>
<tr>
<td>4</td>
<td>Select</td>
<td>Select the desired title.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sélectionnez le titre de votre choix.</td>
</tr>
<tr>
<td>5</td>
<td>Enter</td>
<td>Select the desired title.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sélectionnez le titre de votre choix.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seleccione el título deseado.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Entree.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Selectionnez le titre de votre choix.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seleccione el título deseado.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Enter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sélectionnez le titre de votre choix.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Seleccione el título deseado.</td>
</tr>
</tbody>
</table>

**Song/Audiobook/Genius Mix Search mode:**
- The selected song is played back.
- The selected song is played back.
- The selected song is played back.

**Others Search mode:**
- Proceeds to the next hierarchy level. Search for a title by performing steps 4 and 5 repeatedly.
- Proceeds to the next hierarchy level. Search for a title by performing steps 4 and 5 repeatedly.
- Proceeds to the next hierarchy level. Search for a title by performing steps 4 and 5 repeatedly.

**Search mode:**
- Mode de recherche par morceau/livre audio/mix Genius :
  - La lecture du morceau sélectionné commence.
- Autres modes de recherche :
  - Passez au niveau de hiérarchie suivant.
  - Recherchez un titre en suivant plusieurs fois les étapes 4 et 5.

---

- After pressing and holding \( Q / \text{ENTER} \) for at least 2 seconds while in each hierarchy (except Song, Audiobook and Genius Mix list hierarchy), all songs of the selected hierarchy are played back.
- When search is made during M.I.X. play, the M.I.X. play mode will be canceled.
- Après avoir appuyé sur \( Q / \text{ENTER} \) pendant 2 secondes au moins au sein d’une hiérarchie (sauf les hiérarchies Song, Audiobook et Genius Mix), tous les morceaux de la hiérarchie sélectionnée sont lus.
- Lorsque la recherche est effectuée pendant la lecture M.I.X., le mode de lecture M.I.X. est annulé.
- Tras mantener pulsado \( Q / \text{ENTER} \) por lo menos 2 segundos en cada jerarquía (salvo en las jerarquías Song, Audiobook y Genius Mix), todas las canciones de la jerarquía seleccionada se reproducirán.
- Si se realiza la búsqueda durante la reproducción M.I.X., el modo de reproducción M.I.X. se cancelará.
**Pandora® internet radio (Optional) / Radio internet Pandora® (en option) / Radio por internet Pandora® (Opcional)**

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pandora® internet radio is your own FREE personalized radio now available to stream music on your smartphone (which runs Android OS or iOS). The CDE-HD149BT enables you to interact with your Pandora® account by connecting a smartphone that has the latest version of the Pandora® application installed.</td>
<td>La radio par Internet Pandora® est un service radio personnalisé permettant de diffuser de la musique sur votre téléphone portable (qui exécute Android OS ou iOS). Le CDE-HD149BT permet d'interagir avec votre compte Pandora® en connectant un téléphone portable doté de la dernière version de l'application Pandora®.</td>
<td>La radio por Internet Pandora® es un servicio de radio totalmente personalizable y GRATUITA ahora disponible para escuchar música en streaming en el smartphone (que ejecute Android OS o iOS). Los modelos CDE-HD149BT permiten interactuar con la cuenta de Pandora® si conecta un smartphone con la versión más reciente de la aplicación Pandora® instalada.</td>
</tr>
<tr>
<td><strong>Recalling the PANDORA Mode</strong> Select the PANDORA mode.</td>
<td><strong>Rappel du mode PANDORA</strong> Sélectionnez le mode PANDORA.</td>
<td><strong>Recuperación del modo PANDORA</strong> Seleccione el modo PANDORA.</td>
</tr>
</tbody>
</table>
Pause and Playback

Selecting the desired track
To skip to the next track, press ►►.

“Thumbs” Feedback.
Press ✅ or ⬅️ for thumbs up or thumbs down.
✅: Thumbs up.
⬅️: Thumbs down.

Pause et lecture

Sélection de la piste souhaitée
Pour passer au morceau suivant, appuyez sur ►►.

Indications visuelles personnalisées.
Appuyez sur ✅ ou ⬅️ pour sélectionner le pouce levé ou le pouce baissé.
✅: Pouce vers le haut (approuvé).
⬅️: Pouce vers le bas (désapprobation).

Pausa y reproducción

Selección de la pista deseada
Para saltar a la pista siguiente, pulse ►►.

Opiniones gestuales.
Pulse ✅ o ⬅️ para activar el pulgar hacia arriba o el pulgar hacia abajo.
✅: Pulgar hacia arriba (aprobación).
⬅️: Pulgar hacia abajo (desaprobación).

Bookmarking a desired Song or Artist / Mise en signet d’un morceau ou d’un artiste / Agregar a favoritos una canción o artista que desee

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Activate the Bookmark mode.</td>
<td>Activez le mode Marquage.</td>
</tr>
<tr>
<td>2</td>
<td>Select the “Track (Bookmark)” or “Artist (Bookmark)”.</td>
<td>Sélectionnez « Track (Signet) » ou « Artist (Signet) ».</td>
</tr>
<tr>
<td>3</td>
<td>Enter. The current track or artist is bookmarked.</td>
<td>Entrée. Le morceau ou l’artiste en cours est mis en signet.</td>
</tr>
<tr>
<td></td>
<td><strong>English</strong></td>
<td><strong>Français</strong></td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td><strong>Activate New Station Creating mode.</strong></td>
<td><strong>Activez le mode de création d'une nouvelle station.</strong></td>
</tr>
<tr>
<td>2</td>
<td><strong>Select “Track” or “Artist”</strong></td>
<td><strong>Sélectionnez « Track » ou « Artist »</strong></td>
</tr>
<tr>
<td>3</td>
<td><strong>Enter.</strong></td>
<td><strong>Entrée.</strong></td>
</tr>
<tr>
<td></td>
<td>A New Station based on current track or artist is created.</td>
<td>Une nouvelle station de radio basée sur le morceau ou l'artiste en cours est créée.</td>
</tr>
<tr>
<td></td>
<td><strong>English</strong></td>
<td><strong>Français</strong></td>
</tr>
<tr>
<td>---</td>
<td>------------------------------------------</td>
<td>--------------------------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Activate the search selection mode.</td>
<td>Activez le mode de sélection de recherche.</td>
</tr>
<tr>
<td>2</td>
<td>Select the desired search mode.</td>
<td>Sélectionnez le mode de recherche de votre choix.</td>
</tr>
<tr>
<td></td>
<td>A-Z (Alphabet Search) / By Date (Search</td>
<td>A-Z (Recherche alphabétique) / By Date</td>
</tr>
<tr>
<td></td>
<td>by Date Added)</td>
<td>by Date (Recherche par date ajoutée)</td>
</tr>
<tr>
<td>3</td>
<td>Enter.</td>
<td>Entrée.</td>
</tr>
<tr>
<td>4</td>
<td>Select the desired station.</td>
<td>Sélectionnez la station de votre choix.</td>
</tr>
<tr>
<td>5</td>
<td>Enter.</td>
<td>Entrée.</td>
</tr>
<tr>
<td></td>
<td>Pandora® will play that station.</td>
<td>Pandora® diffuse cette station.</td>
</tr>
</tbody>
</table>
### SiriusXM Satellite Radio Operation (Optional) / Utilisation de la radio par satellite SiriusXM (en option) / Funcionamiento de la radio por satélite SiriusXM (Opcional)

<table>
<thead>
<tr>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>SiriusXM Tuner operation: When a SiriusXM Tuner is connected to this unit, the following operations may be performed.</td>
<td>Utilisation du tuner SiriusXM : Lors du raccordement d’un tuner SiriusXM à cet appareil, les opérations suivantes sont disponibles.</td>
<td>Funcionamiento del sintonizador SiriusXM: Si hay conectado un sintonizador SiriusXM a esta unidad, podrá hacer lo siguiente.</td>
</tr>
<tr>
<td><strong>1</strong> Recall the Satellite Radio (SiriusXM) mode.</td>
<td><strong>1</strong> Rappelez le mode Radio par satellite (SiriusXM).</td>
<td><strong>1</strong> Recupere el modo de radio por satélite (SiriusXM).</td>
</tr>
<tr>
<td>2</td>
<td>Select the desired channel.</td>
<td>Sélectionnez le canal de votre choix.</td>
</tr>
<tr>
<td>---</td>
<td>-----------------------------</td>
<td>--------------------------------------</td>
</tr>
<tr>
<td>3</td>
<td>Select the desired band.</td>
<td>Sélectionnez la bande de votre choix.</td>
</tr>
<tr>
<td></td>
<td>SiriusXM1 → SiriusXM2 → SiriusXM3 → SiriusXM1</td>
<td>SiriusXM1 → SiriusXM2 → SiriusXM3 → SiriusXM1</td>
</tr>
<tr>
<td>4</td>
<td>Storing Channel Presets</td>
<td>Mémorisation des préréglages de canaux</td>
</tr>
<tr>
<td></td>
<td>Press and hold one of the preset buttons (1 through 6), for at least 2 seconds, to store the channel.</td>
<td>Maintenez enfoncée l’une des touches de préréglage (1 à 6) pendant au moins 2 secondes pour mémoriser le canal.</td>
</tr>
<tr>
<td></td>
<td>Tuning Channels using Presets</td>
<td>Syntonisation de canaux via les touches de préréglage</td>
</tr>
<tr>
<td></td>
<td>Press the preset buttons (1 through 6) that has your desired Satellite Radio channel stored in memory.</td>
<td>Appuyez sur la touche de préréglage (1 à 6) sous laquelle vous avez mémorisé le canal de radio par satellite souhaité.</td>
</tr>
</tbody>
</table>
### Setting the Time and Calendar / Réglage de l’heure et du calendrier / Configuración de la hora y el calendario

<table>
<thead>
<tr>
<th></th>
<th>English</th>
<th>Français</th>
<th>Español</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Activate the SETUP mode.</strong>&lt;br&gt;Press and hold for at least 2 seconds.</td>
<td><strong>Activez le mode SETUP.</strong>&lt;br&gt;Maintenez cette touche enfoncée pendant au moins 2 secondes.</td>
<td><strong>Permite activar el modo SETUP.</strong>&lt;br&gt;Mantenga pulsado durante, al menos, 2 segundos.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Select General mode.</strong></td>
<td><strong>Sélectionnez le mode General.</strong></td>
<td><strong>Permite seleccionar el modo General.</strong></td>
</tr>
<tr>
<td>3</td>
<td><strong>Enter.</strong></td>
<td><strong>Entrée.</strong></td>
<td><strong>Pulse Intro para confirmar.</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Select Clock Adjust mode.</td>
<td>Sélectionnez le mode Clock Adjust.</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Enter.</td>
<td>Entrée.</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>Adjust the years.</td>
<td>Réglez les années.</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Enter.</td>
<td>Entrée.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Repeat 6 and 7 to adjust months, dates, hours and minutes.</td>
<td>Répétez les étapes 6 et 7 pour régler les mois, jours, heures et minutes.</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Return to normal mode.</td>
<td>Revenez au mode normal.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Press and hold for at least 2 seconds.</td>
<td>Maintenez cette touche enfoncée pendant au moins 2 secondes.</td>
</tr>
</tbody>
</table>
Specifications

**FM TUNER SECTION**

Tuning Range 87.7-107.9 MHz

**AM TUNER SECTION**

Tuning Range 530-1,710 kHz

**GENERAL**

Power Requirement 14.4 V DC (11-16 V allowable)

Power Output 18 W RMS × 4*

* Primary amplifier ratings per CEA-2006 Standard

- Power output: measured at 4 Ohms and ≤ 1% THD+N
- S/N: 80 dBA (reference: 1 W into 4 Ohms)

Weight 1.5 kg (3 lbs. 5 oz)

**CHASSIS SIZE**

Width 178 mm (7”)

Height 50 mm (2”)

Depth 161.5 mm (6-3/8”)

**SECTION TUNER FM**

Plage de syntonisation 87,7-107,9 MHz

**SECTION TUNER AM**

Plage de syntonisation 530-1 710 kHz

**GÉNÉRALITÉS**

Alimentation 14.4 V c.c (11-16 V admissibles)

Puissance de sortie 18 W RMS x 4*

* Valeurs nominales de l’amplificateur principal selon la norme CEA-2006

- Puissance de sortie : mesurée à 4 ohms et ≤ 1% THD+N
- Rapport signal/bruit : 80 dBA (référence: 1 W dans 4 ohms)

Poids 1.5 kg (3 lbs. 5 oz)

**DIMENSIONS DU CHÂSSIS**

Largeur 178 mm (7”)

Hauteur 50 mm (2”)

Profondeur 161,5 mm (6-3/8”)

**SECCIÓN DEL SINTONIZADOR FM**

Rango de sintonía 87,7-107,9 MHz

**SECCIÓN DEL SINTONIZADOR AM**

Rango de sintonía 530-1.710 kHz

**GENERAL**

Alimentación 14,4 V CC (11-16 V margen permitible)

Salida de alimentación 18 W RMS x 4*

* Niveles de amplificador principal según estándar CEA-2006

- Potencia de salida: medida a 4 ohmios y ≤ 1% THD+N
- Señal/Ruido: 80 dBA (referencia: 1 W en 4 ohmios)

Peso 1,5 kg

**TAMAÑO DEL CHASIS**

Anchura 178 mm (7”)

Altura 50 mm (2”)

Profundidad 161,5 mm (6-3/8”)
<table>
<thead>
<tr>
<th>BLUETOOTH SECTION</th>
<th>SECTION DE LA CLÉ BLUETOOTH</th>
<th>SECCIÓN BLUETOOTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLUETOOTH Specification</td>
<td>Bluetooth V2.1 + EDR Spécification BLUETOOTH Bluetooth V2.1 + EDR Especificación de BLUETOOTH Bluetooth V2.1 + EDR</td>
<td></td>
</tr>
<tr>
<td>Output Power</td>
<td>+4 dBm Max. Puissance de sortie Potencia de salida +4 dBm máx. (Clase 2)</td>
<td></td>
</tr>
<tr>
<td>Profile</td>
<td>HFP (Hands-Free Profile) HSP (Head Set Profile) A2DP (Advanced Audio Distribution Profile) AVRCP (Audio/Video Remote Control Profile) HFP (profil mains libres) HSP (profil casque) A2DP (profil de distribution audio avancé) AVRCP (profil de télécommande audio/video) HFP (Hands-Free Profile, perfil manos libres) HSP (Perfil auriculares) A2DP (Perfil de distribución de audio avanzada) AVRCP (Audio/Video Remote Control Profile, perfil de control remoto de Audio/Video)</td>
<td></td>
</tr>
</tbody>
</table>
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Installation / Installation / Instalación

- 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 CDE-HD149BT to the fuse box, make sure the fuse for the intended circuit of the CDE-HD149BT 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 main unit must be mounted within 35 degrees of the horizontal plane, back to front.

**Less than 35°**

1. Mounting Sleeve (Included)
2. Dashboard
3. Pressure Plates*

*If the installed mounting sleeve is loose in the dashboard, the pressure plates may be bent slightly to remedy the problem.

- L’unité principale doit être fixée à moins de 35 degrés du plan horizontal, de l’arrière vers l’avant.

**Moins de 35°**

1. Gaine de montage (fournie)
2. Tableau de bord
3. Plaques de compression*

*Si la gaine de montage installée n’emprisonne pas bien la forme du tableau de bord, les plaques de compression peuvent être légèrement pliées pour remédier au problème.

- Cuando haga las conexiones al sistema eléctrico del vehículo, tenga en cuenta los componentes que vienen instalados de fábrica (como un computador incorporado, por ejemplo). No conecte a estos conductores para proporcionar alimentación a esta unidad. Al conectar el CDE-HD149BT a la caja de fusibles, asegúrese de que el fusible designado para el circuito del CDE-HD149BT sea del amperaje adecuado. De lo contrario, la unidad y/o el vehículo podrán sufrir daños. Cuando tenga dudas, consulte a su distribuidor Alpine.
- Monte la unidad principal en un ángulo de 35 grados en relación con el plano horizontal, desde atrás hacia adelante.

**Menos de 35°**

1. Funda de montaje (incluida)
2. Salpicadero
3. Placas de presión*

*Si el manguito de montaje instalado en el salpicadero está flojo, las placas de presión pueden doblarse un poco para solventar el problema.
Secure the ground lead of the unit to a clean metal spot.

- For the screw marked "*", use an appropriate screw for the chosen mounting location.

3

Slide the CDE-HD149BT into the dashboard until it clicks. This ensures that the unit is properly locked and will not accidentally come out from the dashboard.
### About the Rules of Bluetooth Electromagnetic Radiation Regulation

<table>
<thead>
<tr>
<th>USA/Canada</th>
<th>FCC CAUTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.</td>
<td></td>
</tr>
<tr>
<td>Le présent appareil est conforme aux la partie 15 des règles de la FCC et CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.</td>
<td></td>
</tr>
<tr>
<td>This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).</td>
<td></td>
</tr>
<tr>
<td>Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles les radioélectriques (RF) de la FCC lignes directrices d’exposition dans le Supplément C à OET65 et d’exposition aux fréquences radioélectriques (RF) CNR-102 de l’IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation de l’exposition maximale autorisée. Cependant, cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l’exception des extrémités : mains, poignets, pieds et chevilles).</td>
<td></td>
</tr>
</tbody>
</table>

| México | La operación de este equipo está sujeta a las siguientes dos condiciones: (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada. |

---

**MODELO: UGZZC-G**

2717-12-4557

**ANATEL**

(01) 07898936509123

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.
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● PRODUITS COUVERTS PAR LA GARANTIE
Cette garantie couvre les produits audio de voiture et les accessoires connexes ("le produit"). Elle ne couvre les produits que dans le pays où ils ont été achetés.

● DURÉE DE LA GARANTIE
Cette garantie est en vigueur pendant un an à partir de la date du premier achat ou client.

● PERSONNES PROTÉGÉES PAR LA GARANTIE
Seul l'acheteur original du produit, s'il réside aux États-Unis, à Porto Rico ou au Canada, peut se prévaloir de la garantie.

● CE QUI EST COUVERT
Cette garantie couvre tous les défauts de matériaux et de fabrication (pièces et main d'œuvre) du produit.

● CE QUI N'EST PAS COUVERT
Cette garantie ne couvre pas ce qui suit:
1. Les dommages survenus durant le transport des produits renvoyés à Alpine pour être réparés (les réclamations doivent être adressées au transporteur);
2. Les dégâts provoqués par un accident ou une mauvaise utilisation, y compris des bobines acoustiques grillées suite à une surexcitation des enceintes (augmentation du niveau de l'amplificateur jusqu'à atteindre un effet de distorsion ou d'écratage), une défaillance mécanique des enceintes (perforations, déchirures ou fentes), panneaux LCD fissurés ou endommagés, disques durs endommagés ou ayant subi une chute.
3. Tout dégât provoqué par négligence, usage inapproprié, mauvaise utilisation ou par le non-respect des instructions indiquées dans le manuel de l'utilisateur.
4. Les dommages dus à la force majeure, notamment aux tremblements de terre, au feu, aux inondations, aux tempêtes ou aux autres cataclysmes naturels;
   Les frais ou les dépenses relatifs à l'enlèvement ou à la réinstallation du produit;
5. Les services rendus par une personne, physique ou morale non autorisée;
6. Les produits dont le numéro de série a été effacé, modifié ou retiré;
7. Les produits qui ont été adaptés ou modifiés sans le consentement d'Alpine;
8. Les produits qui ne sont pas distribués par Alpine aux États-Unis, à Porto Rico ou au Canada;
9. Les produits qui n'ont pas été achetés par l'entremise d'un concessionnaire Alpine autorisé;
**COMMENT SE PRÉVALOIR DE LA GARANTIE**

1. Il vous faut remettre le produit nécessitant des réparations à un centre de service autorisé Alpine ou à Alpine même et en assumer les frais de transport. Alpine a le choix entre réparer le produit ou le remplacer par un produit neuf ou révisé, le tout sans frais pour vous. Si les réparations sont couvertes par la garantie et si le produit a été envoyé à un centre de service Alpine ou à Alpine, le paiement des frais de réexpédition du produit incombe Alpine.

2. Vous devez donner une description détaillée des problèmes qui sont à l'origine de votre demande de réparation.

3. Vous devez joindre la preuve de votre achat du produit.

4. Vous devez emballer soigneusement le produit pour éviter tout dommage durant son transport. Pour éviter la perte de l'envoi, il est conseillé de choisir un transporteur qui propose un service de suivi des envois.

**LIMITATION DES GARANTIES TACITES**

LA DURÉE DE TOUTES LES GARANTIES TACITES, Y COMPRIS LA GARANTIE D'ADAPTATION À L'UTILISATION ET LA GARANTIE DE QUALITÉ LOYALE ET MARCHANDE, EST LIMITÉE À CELLE DE LA GARANTIE EXPRESSE DÉTERMINÉE CI-DESSUS. PERSONNE N'EST AUTORISÉ À ENGAGER AUTREMENT LA RESPONSABILITÉ D'ALPINE EN VERTU DE LA VENTE D'UN PRODUIT.

**EXCLUSIONS DE LA GARANTIE**

ALPINE STIPULE EXPRESSÉMENT QUELLE N'EST PAS RESPONSABLE DES DOMMAGES-INTÉRêTS ET DOMMAGES INDIRECTS PROVOQUÉS PAR LE PRODUIT. LES DOMMAGES-INTÉRêTS SONT LES FRAIS DE TRANSPORT DU PRODUIT VERS UN CENTRE DE SERVICE ALPINE, LA PERTE DE TEMPS DE L'ACHETEUR ORIGINAL, LA PERTE D'UTILISATION DU PRODUIT, LES BILLETS D'AUTOBUS, LA LOCATION DE VOITURES ET TOUS LES AUTRES FRAIS LIÉS À LA GARDE DU PRODUIT.

LES DOMMAGES INDIRECTS SONT LES FRAIS DE RÉPARATION OU DE REMPLACEMENT D'AUTRES BIENS ENDOMMAGÉS SUITE AU MAUVAIS FONCTIONNEMENT DU PRODUIT. LES RECOURS PRÉVUS PAR LES PRÉSENTES EXCLUT ET REMPLACENT TOUTE AUTRE FORME DE RECOURS.

**LIEN ENTRE LA GARANTIE ET LA LOI**

La garantie vous donne des droits spécifiques, mais vous pouvez aussi jouer d'autres droits, qui varient d'un état ou d'une province à l'autre. En outre, certains états et certaines provinces interdisent de limiter la durée des garanties tacites ou d'exclure les dommages accessoires ou indirects. Dans ce cas, les limites et les exclusions de la garantie peuvent ne pas s'appliquer à vous.

**CLAUSE APPLICABLE AU CANADA SEULEMENT**

Pour que la garantie soit valable, il faut qu'un centre d'installation autorisé ait installé le système audio pour l'auto dans votre véhicule et qu'il ait ensuite apposé son cachet sur la garantie.

**NUMÉROS D’APPEL DU SERVICE À LA CLIENTÈLE**

Si vous avez besoin de nos services, veuillez appeler Alpine aux numéros ci-dessous pour le centre de service autorisé Alpine le plus proche.

<table>
<thead>
<tr>
<th>Audio de Voiture</th>
<th>1-800-ALPINE-1 (1-800-257-4631)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Navigation</td>
<td>1-888-NAV-HELP (1-888-628-4357)</td>
</tr>
</tbody>
</table>

Ou visitez notre site Web à l'adresse http://www.alpine-usa.com

**ALPINE ÉLECTRONIQUE DE L'AMÉRIQUE, INC.**, 19145 Gramercy Place, Torrance, California 90501, U.S.A.

**ALPINE ÉLECTRONIQUE DU CANADA, INC.**, 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada

N'envoyez aucun produit à ces adresses.

Appelez notre numéro gratuit ou visitez notre site Web si vous recherchez un centre de service.
LIMITED WARRANTY

ALPINE ELECTRONICS OF AMERICA, INC. AND ALPINE OF CANADA INC. ("Alpine"), are dedicated to quality craftsmanship and are pleased to offer this Warranty. We suggest that you read it thoroughly. Should you have any questions, please contact your Dealer or contact Alpine at one of the telephone numbers listed below.

● PRODUCTS COVERED:
This Warranty covers Car Audio Products and Related Accessories ("the product"). Products purchased in the Canada are covered only in the Canada. Products purchased in the U.S.A. are covered only in the U.S.A.

● LENGTH OF WARRANTY:
This Warranty is in effect for one year from the date of the first consumer purchase.

● WHO IS COVERED:
This Warranty only covers the original purchaser of the product, who must reside in the United States, Puerto Rico or Canada.

● WHAT IS COVERED:
This Warranty covers defects in materials or workmanship (parts and labor) in the product.

● WHAT IS NOT COVERED:
This Warranty does not cover the following:
① Damage occurring during shipment of the product to Alpine for repair (claims must be presented to the carrier).
② Damage caused by accident or abuse, including burned voice coils caused by over-driving the speaker (amplifier level is turned up and driven into distortion or clipping). Speaker mechanical failure (e.g. punctures, tears or rips). Cracked or damaged LCD panels. Dropped or damaged hard drives.
③ Damage caused by negligence, misuse, improper operation or failure to follow instructions contained in the Owner’s manual.
④ Damage caused by act of God, including without limitation, earthquake, fire, flood, storms or other acts of nature.
⑤ Any cost or expense related to the removal or reinstallation of the product.
⑥ Service performed by an unauthorized person, company or association.
⑦ Any product which has the serial number defaced, altered or removed.
⑧ Any product which has been adjusted, altered or modified without Alpine’s consent.
⑨ Any product not distributed by Alpine within the United States, Puerto Rico or Canada.
⑩ Any product not purchased from an Authorized Alpine Dealer.

● HOW TO OBTAIN WARRANTY SERVICE:
① You are responsible for delivery of the product to an Authorized Alpine Service Center or Alpine for repair and for payment of any initial shipping charges. Alpine will, at its option, repair or replace the product with a new or reconditioned product without charge. If the repairs are covered by the warranty, and if the product was shipped to an Authorized Alpine Service Center or Alpine, Alpine will pay the return shipping charges.
② You should provide a detailed description of the problem(s) for which service is required.
③ You must supply proof of your purchase of the product.
④ You must package the product securely to avoid damage during shipment. To prevent lost packages it is recommended to use a carrier that provides a tracking service.
● HOW WE LIMIT IMPLIED WARRANTIES:
ANY IMPLIED WARRANTIES INCLUDING FITNESS FOR USE AND
MERCHANTABILITY ARE LIMITED IN DURATION TO THE PERIOD OF THE
EXPRESS WARRANTY SET FORTH ABOVE AND NO PERSON IS
AUTHORIZED TO ASSUME FOR ALPINE ANY OTHER LIABILITY IN
CONNECTION WITH THE SALE OF THE PRODUCT.

● HOW WE EXCLUDE CERTAIN DAMAGES:
ALPINE EXPRESSLY DISCLAIMS LIABILITY FOR INCIDENTAL AND
CONSEQUENTIAL DAMAGES CAUSED BY THE PRODUCT. THE TERM
"INCIDENTAL DAMAGES" REFERS TO EXPENSES OF TRANSPORTING
THE PRODUCT TO THE ALPINE SERVICE CENTER, LOSS OF THE
ORIGINAL PURCHASER'S TIME, LOSS OF THE USE OF THE PRODUCT,
BUS FARES, CAR RENTALS OR OTHERS COSTS RELATING TO THE
CARE AND CUSTODY OF THE PRODUCT. THE TERM "CONSEQUENTIAL
DAMAGES" REFERS TO THE COST OF REPAIRING OR REPLACING
OTHER PROPERTY WHICH IS DAMAGED WHEN THIS PRODUCT DOES
NOT WORK PROPERLY. THE REMEDIES PROVIDED UNDER THIS
WARRANTY ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS.

● HOW STATE/PROVINCIAL LAW RELATES TO THE WARRANTY:
This Warranty gives you specific legal rights, and you may also have other
rights which vary from state to state and province to province. In addition, some
states/provinces do not allow limitations on how long an implied warranty lasts,
and some do not allow the exclusion or limitation of incidental or consequential
damages. Accordingly, limitations as to these matters contained herein may not
apply to you.

● IN CANADA ONLY:
This Warranty is not valid unless your Alpine car audio product has been
installed in your vehicle by an Authorized Installation Center, and this warranty
stamped upon installation by the installation center.

ALPINE ELECTRONICS OF AMERICA, INC., 19145 Gramercy Place, Torrance, California 90501, U.S.A.
ALPINE ELECTRONICS OF CANADA, INC., 777 Supertest Road, Toronto, Ontario M3J 2M9, Canada
Do not send products to these addresses.
Call the toll free telephone number or visit the website to locate a service center.

● HOW TO CONTACT CUSTOMER SERVICE:
Should the product require service, please call the following number for your
nearest Authorized Alpine Service Center.

<table>
<thead>
<tr>
<th>Service</th>
<th>Phone Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>CAR AUDIO</td>
<td>1-800-ALPINE-1 (1-800-257-4631)</td>
</tr>
<tr>
<td>NAVIGATION</td>
<td>1-888-NAV-HELP (1-888-628-4357)</td>
</tr>
</tbody>
</table>

Or visit our website at; http://www.alpine-usa.com

Take a moment to protect your purchase by registering your product now at
www.alpine-usa.com/registration. You will also be updated on product
information, special promotions, Alpine news and may be eligible to win
prizes.


Le recomendamos que proteja su adquisición registrando su producto lo antes posible en la dirección www.alpine-usa.com/registration. Asimismo, recibirá actualizaciones de información del producto, promociones especiales, noticias sobre Alpine y podrá optar a excelentes premios.
System Requirements
The CD can be used on the following operating systems: Microsoft®, Windows®, 95/98/Me/NT/2000/XP/VISTA/7 or Apple Mac OS X 10.4/10.5/10.6. In order to use the CD, Acrobat Reader 4.0 (or above) is required.

How to Use the CD
Insert the CD, open it, then click twice the file for the model purchased.

Caution on Handling the CD
Never try to play the CD on any other audio CD player. Resultant loud volume may cause hearing damage or damage to the speaker.

About Use of Software License
Concerning provided CD, you are required to use the CD in agreement/complying with the following provisions. If you do not agree, the CD cannot be used.

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Limitation of Liability
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Limitation de responsabilité
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All products and brand names described above are trademarks or registered marks of their respective owners.
Thank you for choosing Alpine for your car audio equipment needs. Our goal is to produce the best audio/video/navigation products in the world and hope your expectations are met.

Please take a moment to protect your purchase by registering your product now at the following address: www.alpine-usa.com/registration. You will be informed of product and software updates (if applicable), special promotions, and news about Alpine. Also, by registering your product, you will automatically be entered for a chance to win various prizes such as gift cards, Alpine products, and/or a complete system.

We look forward to continue serving you in the future.

Sincerely,

The Alpine Team

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**French**

Nous vous remercions d'avoir porté votre choix sur un équipement audio automobile Alpine. Notre principal objectif est de fabriquer les meilleurs produits audio, vidéo et de navigation au monde afin de répondre aux exigences de nos clients.

Veuillez prendre quelques instants pour sécuriser votre achat en enregistrant votre produit à l'adresse suivante : www.alpine-usa.com/registration. Vous serez tenu informé des nouveaux produits, des mises à jour logicielles (le cas échéant), des promotions spéciales et des informations concernant Alpine. L'enregistrement de votre produit vous donne par ailleurs la possibilité de gagner des dizaines de cadeaux, tels que chèques-cadeaux et articles Alpine, ainsi qu'un système complet.

Nous espérons que nos produits vous donneront entièrement satisfaction.

Cordialement,

L'équipe Alpine

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**Spanish**

Gracias por elegir Alpine para las necesidades de equipamiento de audio de su vehículo. Nuesto objetivo es fabricar los mejores productos de audio/vídeo/navegación del mundo y esperamos poder cumplir sus expectativas.

Dedique unos momentos a proteger su compra: registre ahora su producto en la siguiente dirección: www.alpine-usa.com/registration. Recibirá información de novedades sobre el producto y actualizaciones de software (si se producen), promociones especiales y noticias de última hora de Alpine. Asimismo, si registra su producto, entrará automáticamente en el sorteo de diversos premios, como tarjetas de regalo, productos de Alpine y/o un sistema completo.

Esperamos poder seguir ofreciéndole el mejor servicio en el futuro.

Atentamente,

El equipo de Alpine