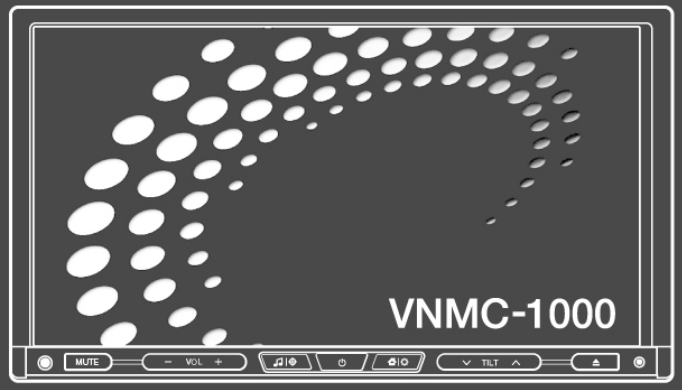
http://www.visteon.com

Visteon®

2-Din Car Infortainment System



Owner's Manual

Preface

This user guide explains how to use the Car Infotainment System and contains the information that a driver must know for safe driving.

Be sure to keep this user guide inside the car. Give it also to the other driver when the car is delegated or rented.

⚠ Danger:
It provides information that the users must keep to prevent from the possibility of serious or fatal injury to themselves or others.

Caution:
It provides information that the users must keep to prevent from the possibility of vehicle or product damage.

Recycling:
It provides information for environmental protection.

Note:
It provides additional information.

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USA-Federal Communications Commission (FCC)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try and correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna
-Increase the distance between the equipment and the receiver.
-Connect the equipment to outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Caution: Exposure to Radio Frequency Radiation.
To comply with FCC RF exposure compliance requirements, for mobile configurations, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons.

This device must not be co-located or operating in conjunction with any other antenna or transmitter.

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

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

Contents

1. **Cautions** **5**
   - ■ Precautions 5
   - ■ Discs 5
   - ■ Safety Instructions 7
   - ■ Cautions before Use 7
   - ■ Cautions while Using the Product 8
2. **Product Features** **9**
   - ■ Main Unit 9
   - ■ Remote Control 10
3. **Basic Operation** **12**
   - ■ Initial Use and Power Supply 12
   - ■ Volume Adjustment 12
   - ■ Mute 12
   - ■ Adjusting the Slope of LCD panel 13
   - ■ Inserting and Removing Disc/SD Memory Card 13
   - ■ Using the Touch Screen 14
   - ■ Replacing the Remote Control Batteries 14
4. **Selecting Source** **15**
   - ■ Selecting a source on the Main Menu 15
   - ■ Moving to the Main Menu 15
5. **Common GUI** **16**
6. **Navigation** **17**
7. **Radio** **18**
   - ■ Radio GUI 18
   - ■ Inputting Radio Frequency 18
8. **Disc** **19**
   - ■ Disc GUI 19
   - ■ Inputting Title/Chapter/Track 20
   - ■ DVD/VCD Control 20
9. **iPod™** **21**
   - ■ iPod Video GUI 21
   - ■ iPod Music GUI 21
   - ■ iPod Menu & List 22
10. **AV-IN** **25**
11. **Sirius/XM (Optional)** **26**
12. **Phone** **27**
    - ■ Phone GUI 27
    - ■ Phone Book 28
13. **Movie** **30**
    - ■ Movie GUI 30
    - ■ Movie Playlist Edit 31
    - ■ Movie Playlist 31
14. **Music** **32**
    - ■ Music GUI 32
    - ■ Music List 33
15. **Photo** **35**
16. **Rear View Camera** **36**
17. **Phone Mute** **36**
18. **Setup** **37**
    - ■ Display 37
    - ■ Sound 40
    - ■ System 43
    - ■ Version 49
19. **Appendix** **51**
    - ■ Trouble Shooting 51
    - ■ Notices for Installation and Service 53
    - ■ Installation and Removal of the Main Unit 54
    - ■ Components and Accessories 55
    - ■ System Connection 56
    - ■ Specifications 57

1. Cautions

■ **Precautions**

WARNING:
TO PREVENT FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

	This symbol warns the user of uninsulated voltage within the unit that can cause dangerous electric shocks.
	This symbol alerts the user that there are important operating and maintenance instructions in the literature accompanying this unit.

CAUTION:
THIS DVD VIDEO RECORDER IS A CLASS 1 LASER PRODUCT. USE OF CONTROLS, ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR THE PLAYER YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

■ **Discs**

• Playable Discs

Type of Media	Mark (Logo)	Recorded Signals
DVD-Video	DVD VIDEO DVD VIDEO	Digital Video (MPEG2)
DVD-RW DVD-R	DVD RW DVD R DVD RW DVD R	Digital Video Divx Digital Audio MP3/WMA/OGG
DVD+RW DVD+R	RW DVD+ReWritable RW DVD+R	Digital Video Divx Digital Audio MP3/WMA/OGG
Audio CD	COMPACT disc DIGITAL AUDIO	Digital Audio
CD-RW CD-R	COMPACT disc DIGITAL AUDIO ReWritable COMPACT disc DIGITAL AUDIO Recordable COMPACT disc ReWritable COMPACT disc Recordable	Divx Digital Audio MP3/WMA/OGG
VCD	COMPACT disc DIGITAL VIDEO	Digital Video

DVD is a trademark of DVD Format/Logo Licensing Corporation.

• Unplayable Discs

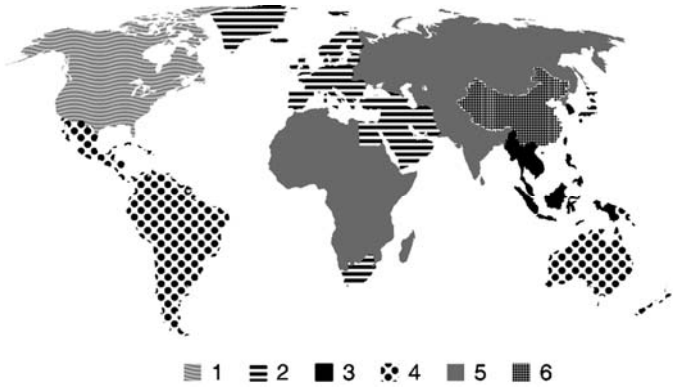
- DVD-RAM, DVD-audio, CD-i, photo CD, super audio CD, DVD with region codes other than 1 or ALL, DTS-CD, DVD-ROM for personal computers, CD-ROM for personal computers
- Any other discs without compatibility indications

Cautions

• DVD Area Code

DVD Video System assigns the area code to DVD Video Players and DVD Discs, according to the areas where they are sold. For example, DVD Video Players that are sold in U.S.A. can only play discs with the correct number (‘1’ and ‘ALL’ or any combination of numbers including ‘1’) The DVD region number is indicated on the disc as shown below.

Please, refer to the provided manual in the DVD Title which you purchased for the detailed information of area codes per country.



• Handling Discs

Do not use discs with rough edges. Using such discs could cause the product to malfunction or be damaged.

Do not attach labels to the disc surface or mark it with a pencil or a pen. Doing so could cause the product to malfunction or be damaged.

Do not use discs if they have scotch tape or other adhesive materials or traces of such material on them. Using such discs could cause the product to malfunction or be damaged.

Do not use discs that are badly scratched, deformed or cracked. Using such discs could cause the product to malfunction or be damaged.

Do not use commercially available CD protectors or disc stabilizers. Doing so could cause the product to malfunction or be damaged.

Do not touch the disc surface when inserting or removing the disc.

• Cleaning Discs

Use a soft cloth to wipe the disc from the center out towards the circumference.

Do not use any cleaner, static-proof spray or thinner on the disc. The discs can be damaged.

• Keeping Discs

Do not keep discs in places where it is too hot or too cold. Doing so could deform them. Using deformed discs could cause the product to malfunction or be damaged.

Do not keep discs in places exposed to direct sunlight or close to heaters. Doing so could deform the discs. Using deformed discs could cause the product to malfunction or be damaged.

Do not keep discs in places that are too dusty or too humid. Using discs stored in such places could cause the product to malfunction or be damaged.

• Color Monitor System

DVD player can only play discs of NTSC or PAL, not play discs of SECAM.

■ Safety Instructions

• Do not use when the product contains a defect or malfunction.
Do not operate the product while it is in abnormal conditions. When any foreign material is inserted or a smoke or strange smell is continuously detected, stop using the product and contact with a purchase site or customer support center. It may cause an accident, fire, or electric shock.

• This product uses 12V DC vehicle power supply.
This product operates on 12V vehicle power supply. Be sure to use the cable enclosed with the product. Or it may cause a product failure or serious malfunction of the vehicle.

• Be cautioned not to damage any vehicle parts during installation.
Be careful not to damage any vehicle parts (electric devices, wiring, pipes, screws, etc.) while installing the product. When the product is abnormally installed, it may cause an abnormal control of vehicle, fire, electric shock, or traffic accident by damage of vehicle parts.

• Never arbitrarily disassemble or modify the product.
Do not arbitrarily disassemble or modify the product. It may cause a fire, electric shock, or product damage. If a product failure was caused by a user's fault, the user cannot get after-sales services.

• Set the volume at an adequate level while using the product.
When the product is used in a large volume, a traffic accident may happen because the driver cannot hear sound from outside. Adjust the volume level of the product for right use.

• Use genuine parts only.
Use genuine parts only. Or it may cause product damage, misinstallation, or malfunction. In this case, the user assumes all responsibility for errors. When any parts are lost or damaged, contact with a purchase site or customer support center.

• Preserve the product from humidity or by direct contact with liquid, and do not block the ventilation hole.
When any humidity or liquid substance is inserted inside the product, it may cause a product failure or fire. Do not block the ventilation hole. If it is blocked, a product failure or fire may happen due to accumulated heat.

• Do not cut or modify the provided cable.
Do not cut or modify the provided cable. The power cord has its own fuse for preventing overcurrent. If the user uses the cord without the fuse, the protection circuit does not work and it may cause a product failure or fire.

• Never manipulate or watch the product while driving.
Do not manipulate or watch the product while driving. It may cause a traffic accident by careless driving. Be sure to park or stop the car in a safe area to manipulate or watch the product.

■ Cautions before Use

• Install the product correctly for use.
Before using the product, correctly install the product after reading the system connection section in this user guide.

• Use the product after starting the engine.
When the user uses the product for a long time while not starting the engine, the battery may be discharged.

• Configure all settings for use before driving.
If the driver manipulates or changes the settings while driving, driving can be interrupted. When the user especially uses the navigation function, start driving after finishing the configuration for path setting, search, and the like. If any configuration change is needed while driving, park the car in a safe place, change to the desired settings, and drive the car again.

• Use the exclusive navigation GPS antenna.
For the navigation GPS antenna to be connected to the product, use the exclusive antenna only. Place the navigation antenna over 30cm away from the body.
When the antenna is installed outside the car, its cable may be damaged, disconnected, or stolen.

■ Cautions while Using the Product

• The operation temperature range of the product is -10 to 60℃.

Use the product only when the ambient temperate is within -10 to 60℃. If the user uses the product out of the temperature range, it may cause a product failure. Because of the nature of LCD panel, the screen may be darker when it is initially operated in a very low temperature. After several minutes, the brightness of the screen returns to normal.

Do not operate the product after turning on the heater when the temperature in the car is very low. It may cause a product malfunction or damage due to a frozen disk or optical lens surface.

• Be cautioned when using the LCD panel.

Be careful not to manually pull the LCD panel or not to place a cigarette light on it. Do not apply an impact to the LCD panel. It may cause damage to the panel.

When any foreign material is caught between the LCD panel and its body while adjusting the slope of the panel, product damage may happen.

Do not forcibly press the case around the touch panel. It may cause a product malfunction or damage.

• Observe actual traffic laws and regulations.

While the navigation is running, the driver can encounter the guided information is different from actual traffic situation due to change of traffic regulations. Be sure to follow actual traffic regulations. The service provider assumes no responsibility for damage caused by not observing actual traffic regulations. Drive carefully all the time.

2. Product Features

■ **Main Unit**

① Wide TFT LCD Touch Screen
- It outputs video signals on the touch screen.
- You can manipulate menus by touching each icon.

② [Mute] Button
- It mutes the sound or cancels the Mute function.

③ [Volume] Button
- It increases or decreases the volume level.

④ [♫ | ⊕] Button
- It repeats the recent navigation audio signals.
- When pressed for over one second, it returns to the navigation source.

⑤ [⏻] Button
- (Ignition key is in ACC or ON and power is Off) The power is turned on.
- It sequentially switches between running sources.
- When pressed for over one second, the power is turned off.

⑥ [⌂ | ⚙] Button
- It goes to the main menu for you to select a source.
- When pressed for over one second, it goes to **Setup**.

⑦ [Tilt] Button
- By pressing it shortly, the slope of LCD panel changes by one level.
- While pressing it, the slope of LCD panel continuously changes.
- By adjusting the slope, you can insert or remove the SD card that contains the navigation map program, video files, MP3 files, and picture files.

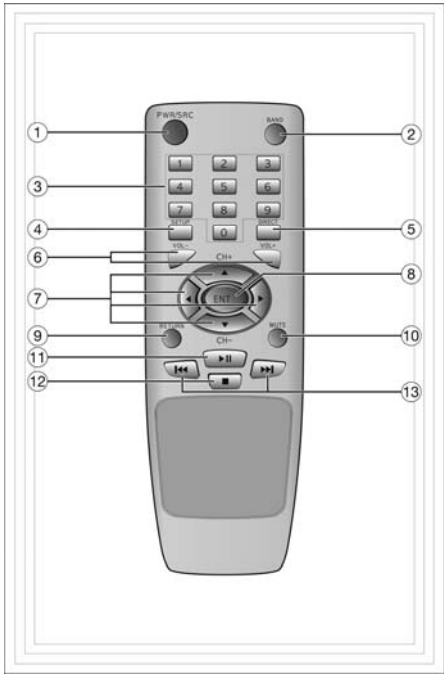
⑧ [⏏] Button
- In order to insert, exchange, or remove a disc, it automatically adjusts the slope of LCD panel.
- When a disc is inserted, it automatically extracts the disc.

ⓐ Remote Control Receiver
- It receives signals from the remote control.

Note: Use of remote control
When you have any devices with remote controls other than of this product, the use of remote control may cause malfunction of other devices.

ⓑ Reset Hole
- When this product malfunctions, you can reset the system by poking a pin (e.g. clip) through this hole.

■ **Remote Control**



① [PWR/SRC]
- It functions the same as the Body [⏻] button.

② [BAND] Button
• Radio
- It switches the frequency band (AM → FM1 → FM2→ AM).
- When pressed for over one second, it switches the radio source (AM-FM → HD → AM-FM).

③ Numeric Button
• Radio
- Select any of frequencies (1–6) stored in Preset.
- When pressed for over one second, the current frequency is stored in the corresponding preset (1–6).
- Enter the frequency in the frequency input panel.
• Disc: Enter values for Title, Chapter, and Track in the corresponding panel.
• Movie/Music/Photo: Select a file in the playback list panel.
• Phone: Enter the phone number.

④ [SETUP] Button
- It returns to the main menu.
- When pressed for over one second, it goes to **Setup**.

⑤ [DIRECT] Button
• Radio: Opens or closes the frequency input panel.
• Disc: Opens or closes the Title/Chapter/Track input panel.
• Movie/Music/Photo: Opens or closes the playback list panel.

⑥ [VOLUME] Button
- It increases or decreases the volume level.

⑦ [▲/▼/◀/▶] Button
• Navigation: Moves the map up/down/left/right.
• Radio
- ◀/▶: Repeats scanning (8 seconds) of receivable frequencies forward or backward. When pressed again, the function ends.
- ▼: Removes the frequency entered in the frequency input panel.
• Disc: Moves the cursor on the DVD/VCD control.
• iPod: ◀/▶: Performs the Rewind/Fast Forward function.

⑧ [ENT] Button
• Radio: Select a frequency that has been entered in the frequency input panel.
• Disc
- Select values for Title, Chapter, and Track entered in the corresponding panel.
- Select the item where the cursor is located in the DVD/VCD control.
• iPod: Stops the Rewind/Fast Forward function.

• Phone: When a phone call is issued or received for the entered phone number, it answers.
• Movie/Music/Photo: Selects or unselects a playback file in the playback list editing area.

⑨ [RETURN] Button
• Radio: Closes the frequency input panel.
• Disc: Closes the Title/Chapter/Track input panel.

⑩ [MUTE] Button
- Performs or cancel the Mute function.

⑪[PLAY/PAUSE] Button
• Disc/iPod/Phone/Movie/Music: Plays back a file or pauses it.
• Photo: Starts or stops a slideshow.

Note: Manipulation of MP3 player on the Bluetooth mobile phone
This function works only when your mobile phone supports the Bluetooth stereo headset and has the MP3 player function.

⑫ [STOP] Button
• Disc/iPod/Phone/Movie/Music/Photo: Stops the playback.

⑬ [SEEK] Button:
• Radio: Used to select a previous or next receivable frequency.
• Disc: Used to select a previous or next chapter/track.
• iPod/ Phone/Movie/Music/Photo: Used to select a previous or next file.

Note: Multi Zone Rear Source
When Multi Zone Rear Source is active, the remote control can control the rear source only. In this case, the current source (front source) can be controlled by using the icon.

3. Basic Operation

■ Initial Use and Power Supply

The power of this product is set to **Off** by default. Accordingly when you use this product for the first time after installation, move the ignition key location to ACC or ON and press the [⏻] button on the remote control to supply power to the product. When the power is supplied, the LCD panel is moved inside and returns to the original position.

> ⓘ **Caution: Battery Discharge**
> Use this product while the car engine is started. If you use this for a long time while the engine is not started, the battery may be exhausted. Then you cannot start the car engine.

When the ignition key is turned to **LOCK** or extracted, the current source and settings are automatically saved and the power is turned off. When the ignition key is turned to ACC or ON, the power is automatically turned on and the saved settings are returned.
When the [⏻] button is pressed for over one second, the power is turned off. In this case, turn the ignition key to **ACC** or **ON** and press the [⏻] button to supply power.

> **Note: Automatic Start**
> When you press the [⏻] button for over one second to turn off the power, the power of the product is not automatically turned on when starting the engine.
> In order to automatically turn on the product, do not press the [⏻] button but stop the engine by using the ignition key.

> **Note: Disk Resume Play**
> If you turned off the power with a disc inserted, when you play back the disc after turning on the power, it is played back from the location where you previously listened.

> **Note: Illumination at Night Driving**
> When you turn on headlights at night driving, the lamp for the product is turned on even though you turn off the power of the product.

■ Volume Adjustment

When you press the [Volume] button or Volume (+)/(-) icons on the LCD screen, the volume level increases or decreases.

> ⚠ **Danger: Volume for Safe Driving**
> Set to the adequate volume level in which you can hear the sound from outside.

> ⚠ **Danger: Max. Volume Setting**
> If the power is turned off while the volume is higher than Max. Volume set in **Setup > Sound > Speaker Control**, when you turn on the power again, the volume is adjusted to Max. Volume.

■ Mute

When you press the [Mute] button or the Mute icon on the LCD screen, the Mute function is activated and the shape of icon is changed. When you press the icon again, the function is deactivated.

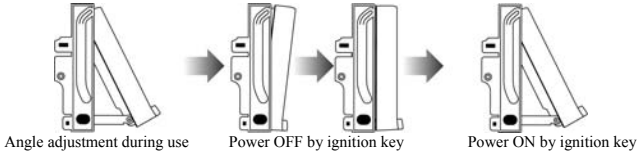
> **Note: No Sound**
> When the video of the product is normal but no sound is heard, check whether the Mute function is active.

■ Adjusting the Slope of LCD panel

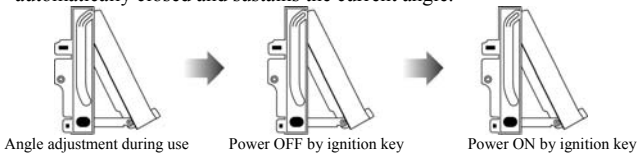
By pressing the [Tilt] button shortly, you can change the slope of LCD panel level by level.
When you press the [Tilt] button continuously, the slope of LCD panel changes continuously.

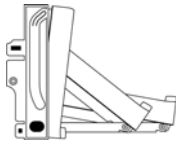
Note: Auto Close

- You can set this in **Setup > System > ETC** (see page **).
- ON: When the engine is stopped, the LCD panel is automatically closed. When the engine is started, the slope of LCD panel is automatically adjusted to the finally saved angle.



- OFF: Even if the engine is stopped or started, the LCD panel is not automatically closed and sustains the current angle.



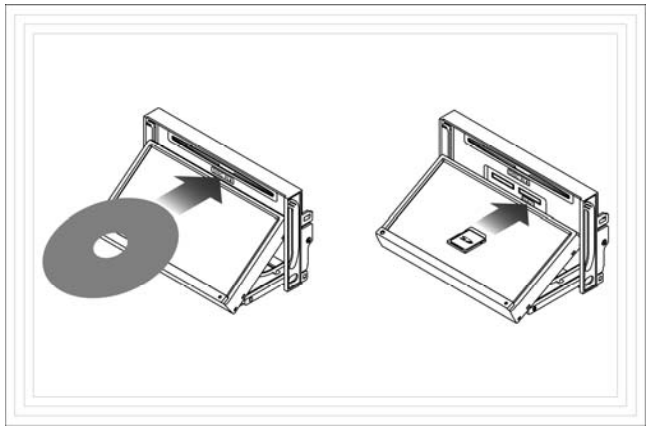


Caution: LCD Panel TILT Mechanism

Do not forcibly move the LCD panel or press it hard. It may cause a product damage or malfunction.

■ Inserting and Removing Disc/SD Memory Card

When you press the [⏏] button, the LCD panel moves downward to expose the slot for disc insertion on the rear. Push a disc in arrow direction to insert it. When a disc is inserted in the slot, push the [⏏] button. The LCD panel moves downward and extracts the disc. After removing it, press the [⏏] button again to move the LCD panel to the previous angle.



Note: Disc Ejection and LCD Panel Angle

If the current angle of the LCD panel is lower than the moving angle of the [⏏] button, when you press the [⏏] button, the LCD panel does not move but (if a disc is inserted) just extracts the disc. When you insert/remove/replace a disc and press the [⏏] button again, the LCD panel does not move. In this case, adjust the angle by using the [Tilt] button.

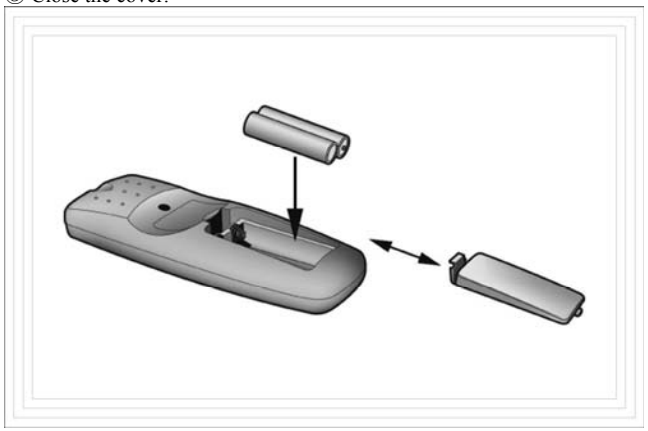
By using the [Tilt] button, you can move the LCD panel downward and extract or insert an SD memory card for the slot on the rear panel.

■ Using the Touch Screen

This product uses the touch screen LCD display. You can perform functions by using their respective icons on the screen.
When video sources such as DVD, VCD, iPod VIDEO, AV-IN, Movie, Photo, and Rear View CAM are played, the icon disappears in three seconds.
When the icon does not appear, touch the LCD screen to display the icon.
Be sure not to manipulate the touch screen while driving.

■ Replacing the Remote Control Batteries

① Push the battery cover of the remote control in arrow direction to open it.
② Install two AAA (AM4 1.5V) batteries with correct polarity as shown in the remote control.
③ Close the cover.



⚠ Danger: Handling Remote Control Batteries
- If you do not use batteries properly, they may explode.
- Do not disassemble or apply heat to the batteries.
- Do not place the batteries near any heat source.
- After removing the batteries, do not throw them to men or animals.

Recycling: Handling Remote Control Batteries
- If you do not use the batteries any more, scrap them properly.
- If the batteries are left for a long time, it may cause harms to children or animals, or cause environmental pollutions. Scrap in a designated place after keeping them.

Note: Handling Remote Control Batteries
- When you replace batteries, replace two batteries by new ones at the same time.
- To keep them for a long time, separate batteries from the remote control.

4. Selecting Source

■ Selecting a source on the Main Menu

• Click any source icon on the main menu to run it.
• When you press the [⏻] button on the body or [PWR/SRC] button on the remote control, the next source is selected.
• The sources that cannot be run with the currently running source are deactivated. In order to run a deactivated source, stop the running source first and run the desired source.
• The currently running source appears on the bar at the bottom. But the rear view camera source does not appear.

Note: Rear Source
• A rear source can be selected in **Setup** > **Display** > **Zone** > **Multi Zone** (see page **).
• When the phone rings, Phone automatically runs (see page **).
• When you back your car, Rear View Camera automatically runs (see page **).

■ Moving to the Main Menu

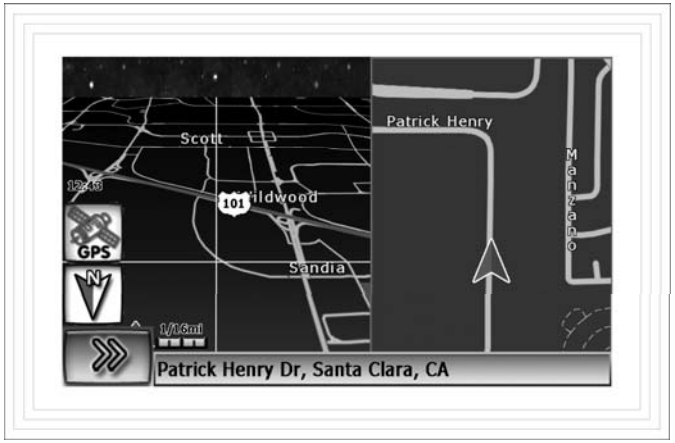
• When you press the [⌂ | ⚙] button on the body or the [SETUP] button on the remote control while a source is running, the main menu appears.
• When you click the menu icon on the upper left corner, the main menu appears while the current source is running.
• When you click the X icon on the upper right corner, the current source stops running and the main menu appears.
• When video sources such as DVD, VCD, iPod VIDEO, AV-IN, Movie, Photo, and Rear View CAM are played, the icon disappears in three seconds.
• When the icon does not appear, touch the LCD screen to display the icon.

.

5. Common GUI

① Changes to the main menu while the current source is running.
② Changes to the main menu after stopping the current source running.
③ Performs or stops the Mute function. The shape of icon changes according to the Mute function's activation.
④ Increases or decreases the volume level.
⑤ Displays the currently running sources. Depending on the source, some sources cannot run at the same time.
⑥ Multi Zone Rear Source appears in **Setup** > **Display** > **Zone**. When Single Zone is selected, it does not appear (see page **).
ⓐ Displays the current output source.
ⓑ Indicates that the product is connected to a Bluetooth mobile phone (see page **).
ⓒ Indicates that a disc (DVD/CD/VCD/MP3CD) is inserted.
ⓓ Displays the current time.

6. Navigation



Insert the SD memory card that contains the Navigation map program into the NAVI slot and refer to the user guide for the Navigation map program that is separately provided.

Note: Moving to the Main Menu while Navigation is Running
The icon does not appear while the Navigation is running or outputting. Press the [⌂/⚙] button on the body or the [SETUP] button on the remote control to move to the main menu.

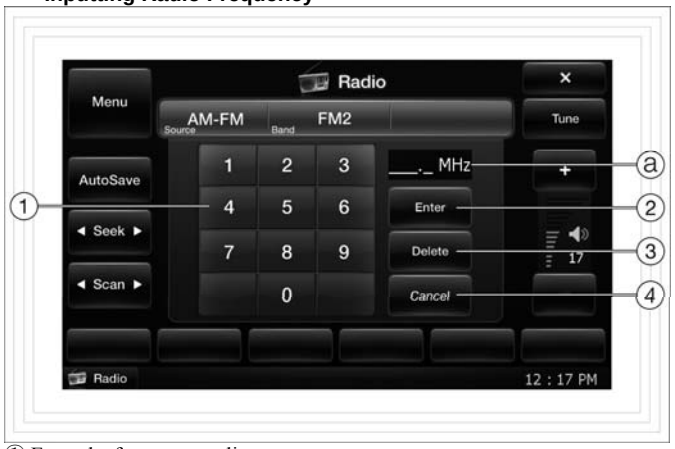
7. Radio

■ Radio GUI

① Saves quality frequencies to maximum 6 presets after scanning the bandwidth for the selected radio band. When pressed again, it ends.
② Selects the previous/next frequency.
③ Repeats scanning (for 7 seconds) receivable frequencies forward or backward. When pressed again, it ends.
④ Sequentially selects radio sources such as AM-FM, and HD.
⑤ Sequentially selects frequency bands for AM-FM sources such as AM, FM1, and FM2.
⑥ Displays the preset number for the current frequency. Additionally it sequentially selects the stored frequencies.
⑦ Opens the frequency input panel.
⑧ Displays the preset frequencies that have been set automatically or manually. You can directly select the desired frequency. The selected frequency is distinguished with blue background. When pressed for over one second, the current frequency is stored in the corresponding preset.
ⓐ Displays the currently listening PS (program service code), Stereo or not, frequency, band, RT (radio text), and the like.

Note: Radio Source Deactivation/Activation
When a disc, iPod or AV-IN, SAT radio , movie, or music source is running, the radio source is deactivated. To activate the radio source, quit the running disc, iPod or AV-IN, SAT radio, movie, or music source.

■ Inputting Radio Frequency



① Enter the frequency to listen to.
② Changes to the main display and sets the input frequency.
③ Deletes the input frequency.
④ Cancels inputting the frequency and closes the frequency input panel.
ⓐ Displays the input frequency.

8. Disc

■ Disc GUI

▪ DVD

① Plays a disc or pauses it.
② Pauses the disc playback and displays the message, “Press Play Key To Continue.” When pressed again, it ends.
③ In case of DVD, it plays back the previous/next chapter. In case of CD, VCD, or MP3CD, it plays back the previous/next track.
④ Selects Random or Repeat for the playback mode. If not selected, it repeatedly plays back all chapters or tracks in a disc.

Note: Exceptional Cases for Disc Playback
• DVD: Does not support the random playback mode.
• MP3CD: Repeatedly plays back all tracks in the folder (not in the disc).

⑤ Displays the playback information. When pressed, it opens the corresponding input panel. It does not support the playback period.
- In case of DVD, it displays the title, chapter, and played time.
- In case of CD/VCD, it displays the track and played time.
- In case of MP3CD, it displays the track and folder name.

⑥ Changes to the DVD/VCD control. If the disc is CD/MP3CD, this is not supported.
⑦ Displays the current playback position. You can change it by clicking the desired position on the bar or dragging the arrow.
ⓐ Displays the played time and the running time.

Note: Disc Source Deactivation/Activation
When a radio, iPod or AV-IN, SAT radio, movie, or music source is running, the disc source is deactivated. To activate the disc source, quit the running radio, iPod or AV-IN, SAT radio, movie, or music source.

▪ MP3CD

① Displays the list of MP3 files and playable files in the folder. When pressed, it is played back.
② Changes to the track input panel.
③ Displays the current folder. When pressed, it opens or closes the folder playback list panel.
④ Moves to the previous/next page.
ⓐ Displays the current page and total page number.

■ Inputting Title/Chapter/Track

The following figure displays the chapter input panel that has been open by clicking the chapter icon.

① Enter the chapter number to play back.
② Changes to the main display and starts playing the input chapter.
③ Deletes the input chapter number.
④ Cancels inputting the chapter and closes the chapter input panel.
ⓐ Displays the current chapter and total chapter number.
ⓑ Displays the input chapter number.

Note: Title/Chapter/Track Input Panel

According to the icon pressed just before the input panel appears, the title input panel, chapter input panel, or track input panel is open.
• In case of DVD, you can input or set the title number and chapter number.
• In case of CD/VCD/MP3CD, you can input or set the track number.

■ DVD/VCD Control

① Moves the cursor on the root/title menu or selects the item where the cursor is located.
② Moves to the DVD root menu.
When pressed for over one second, it moves to the DVD title menu.
③ Used to change the output of audio while playing DVD.
But the DVD must support this function.
④ Used to change the angle while playing DVD.
But the DVD must support this function.
⑤ Used to change the subtitle (caption) while playing DVD.
But the DVD must support this function.

Note: Root/Title Menu

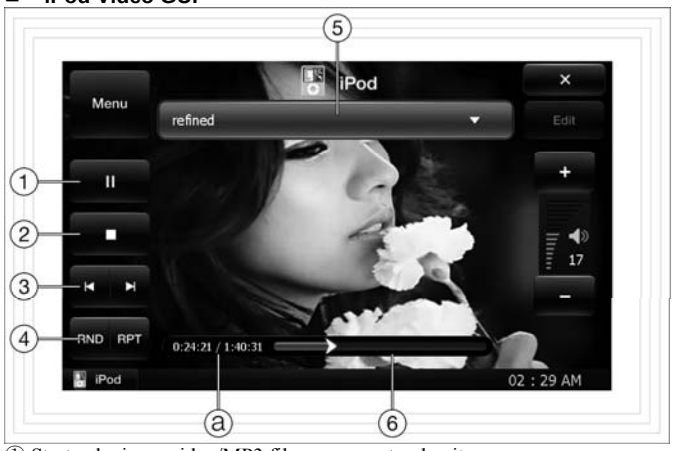
The Root/Title menu differs depending on the DVD product and its version. You can select the desired item using (▲)/(▼)/(◀)/(▶) and (↵) icons and confirm or change it.

Note: VCD Control Screen

In VCD control, only the ① icon is displayed and supported.

9. iPod™

■ iPod Video GUI



① Starts playing a video/MP3 file or pauses to play it.
② Stops playing a video/MP3 file.
③ Plays the previous or next video/MP3 file in the playlist.
④ Selects Random or Repeat for the playback mode. Or it repeatedly plays all the files in the playlist.
⑤ Displays the video file, iPod owner's, or list name. When pressed, it opens or closes the list.
⑥ Displays the current playback position. You can move to the desired location to play.
ⓐ Displays the played time and total play time.

Note: Controllable iPod
This product supports music and video files for 3rd generation iPod Nano, 6th generation iPod Classic, and iPod Touch models. The iPod Touch does not support video files.
In case of other models, some functions may not be supported.

Note: iPod Source Deactivation/Activation
When this product is connected to an external device, the iPod source is automatically deactivated. If a radio, disc, AV-IN, SAT radio, movie, or music source is running, the iPod source is deactivated.
To activate the iPod source, disconnect the external device, connect the iPod device, and quit the running radio, disc, AV-IN, SAT radio, movie, or music source.

■ iPod Music GUI

ⓐ Displays the music information including the album jacket, song, artist, and album title.

■ iPod Menu & List

• iPod Main Menu

① Main menu. When MUSIC or VIDEO is selected, it changes to the corresponding list panel.

• Music Lists

The following shows the music list panel that is selected on the main menu.

① Music list. When the list is selected, it changes to the corresponding list panel.
② Opens or closes the music list panel.
③ Changes to the main menu.

• Artists List

The following shows the Artists list panel that is selected on the top music list.

① Artists list. When Artist is selected, it changes to the corresponding Artist album list panel.
② Opens or closes the music list panel.
③ Changes to the upper music list panel.

• Artist Albums List

The following shows the Artist (e.g. Bigbang) album list panel that is selected in the upper Artists list.

① Artist albums list. When the album is selected, it changes to the corresponding album playlist panel.
② Opens or closes the album list panel.
③ Changes to the upper Artists list panel.

• Artist Album Playlist

The following shows the playlist panel of the album (e.g. For The World) selected in the upper Artist album list.

① Album playlists. When pressed, it starts playing.
② Opens or closes the playlist panel.
③ Changes to the upper Artist albums list.

10. AV-IN

*It outputs the CVBS video signals and stereo audio signals received from an external device that is connected to the external input port (see page **).*

Note: AV-IN Source Deactivation/Activation

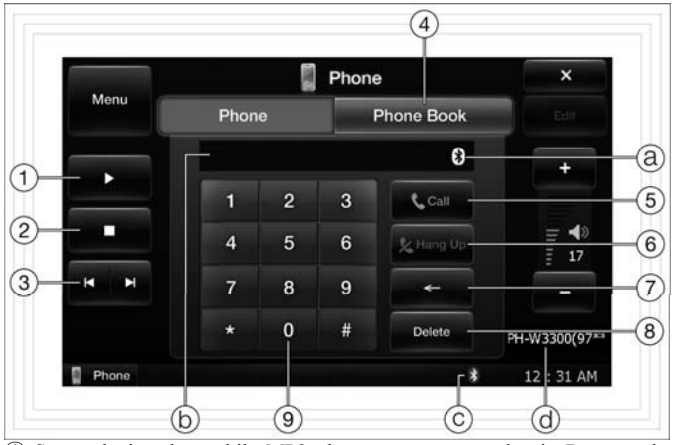
When this product is connected to an iPod device, the AV-IN source is automatically deactivated. If a radio, disc, iPod, SAT radio, movie, or music source is running, the AV-IN source is deactivated.

To activate it, disconnect the iPod device, connect to an external input device, and quit the running radio, disc, iPod, SAT radio, movie, or music source.

11. Sirius/XM (Optional)

12. Phone

■ **Phone GUI**



① Starts playing the mobile MP3 player or pauses to play it. Because the playback information cannot be given from the mobile phone, the icon does not change regardless of playback.
② Stops playing the mobile MP3 player.
③ Plays back the previous/next MP3 file in the playlist of the mobile phone MP3 player.
④ Changes to the phone book.
⑤ Makes a phone call to the entered or selected phone number.
⑥ Disconnects the busy call.
⑦ Deletes the entered phone number one by one (character).
⑧ Deletes the entered phone number.
⑨ Enter the phone number.
ⓐ Displays the connection status between Bluetooth mobile phone and HFP service. If the service is not connected, the red slant line appears.
ⓑ Displays the sender phone number, receiver phone number, or entered/selected phone number.
ⓒ Indicates that the Bluetooth mobile phone is connected.
ⓓ Displays the mobile phone that is connected via Bluetooth.

Note: Miscellaneous Icons

Icon	Description
Answer	When a phone rings, it answers the phone by replacing the (Call) icon.
Transfer	When the call is connected, the hands-free function is performed or cancelled by replacing the (Call)/(Answer) icon.
Reject	When a phone rings, it rejects answering by replacing the (Hang Up) icon.
MIC	Performs or cancels the mute on talking function (my voice is not heard to the counter person).

Note: Available Mobile Phone
To use this function, the mobile phone must support the Bluetooth hands-free, stereo headset, and data telecommunication, and it must have the MP3 player function.

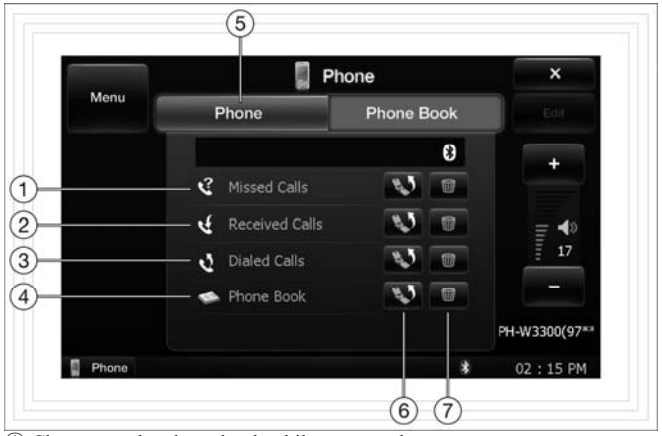
Note: Authentication and Service Connection
This source can be used only when the service is connected after authentication by the mobile phone.
You can set the authentication and service connection in **Setup** > **System** > **Phone** (see page **).

Note: Stereo Headset
Only when the stereo headset (A2DP) is selected if it is connected to a mobile phone or HFP+A2DP is selected if it is connected to the mobile phone authenticated in **Setup** > **System** > **Phone**, ①, ②, and ③ icons are displayed and the functions are supported.

Note: When a Phone Call is Received
When the Bluetooth mobile phone and hands-free or headset service are connected, if a phone call is received, it automatically changes to the phone source and the bell rings. When the call ends, it goes to the previous status.

■ Phone Book

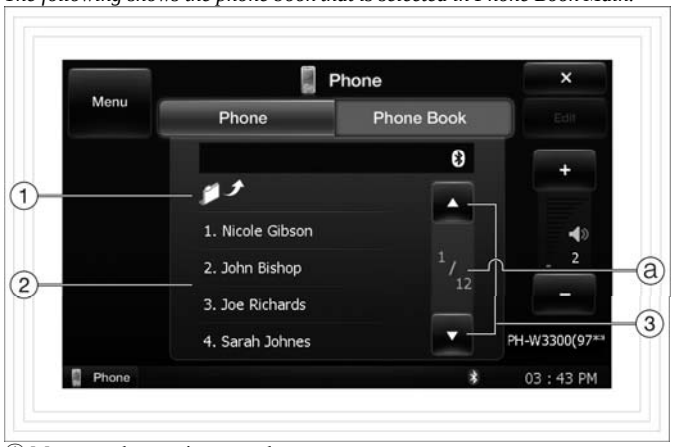
• Phone Book 01



① Changes to the phone book while you are absent.
② Changes to the recipient phone book.
③ Changes to the sender phone book.
④ Changes to the phone book saved.
⑤ Changes to the phone mode.
⑥ Through the Bluetooth mobile phone and data telecommunication connection (PBAP), each phone number is transferred from the mobile phone to be saved.
⑦ Deletes their respective phone numbers saved.

• Phone Book 02

The following shows the phone book that is selected in Phone Book Main.



① Moves to the previous panel.
② Displays the names saved in the phone book. When a name is selected, it goes to the corresponding phone number panel.
③ Changes to the previous/next page.
ⓐ Displays the current page and total page number.

• Phone Book 03(e.g. Joe Richards)

The following shows the phone book that is selected in the previous phone book.

① Changes to the previous panel.
② Mobile phone number saved.
③ Home phone number saved.
④ Company phone number saved.
⑤ Miscellaneous phone numbers. If nothing, blank is displayed.
⑥ When you select a blank space, change to the phone mode, enter the phone number, and click the (Add) icon, the phone number is saved in the selected blank space.
⑦ When you select the saved phone number and click the (Delete) icon, it is deleted.
ⓐ Displays the selected phone number.

13. Movie

■ Movie GUI

① Plays the movie or pauses it.
② Stops playing the movie.
③ Plays the previous/next movie.
④ Selects the Random or Repeat for the playback mode. If not selected, this is the mode that repeatedly plays all files within the playlist.
⑤ Shows the movie filename. Open or close the playlist panel by pressing this menu.
⑥ Switches to the playlist edit for the playable files saved in the SD Memory Card and USB Memory Device.
⑦ Shows the current play position and the user can move to a desired play position by dragging the arrow or pressing on the bar.
ⓐ Shows the current play time and entire play time.

Note: Playable File Format and Codec

- Playable File Format: AVI, WMV, ASF
- Playable Audio/Video Codec: MPEG4 ASP, MPEG4 SP, Xvid, WMV
- The file of holding unplayable file extension can not be added to the movie playlist.
- Part of the files may not be played according to the encoding method of supported codecs. In this case, the unit will show a warning message of "NOT SUPPORTED VIDEO FILE".
- Only English, Korean and Chinese characters are supported as for the filename. If a special character or other language is used for the filename, the filename will be shown differently. (Ex: □ □ □.avi)

Note: Caption Support

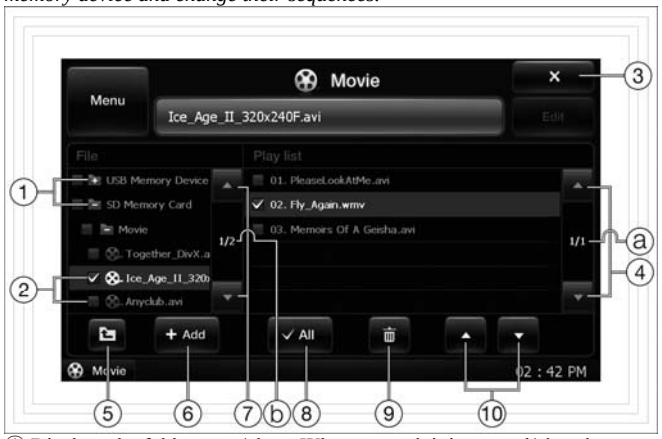
Captions may be shown only when a smi file identical to the filename of a movie file exists within the same folder.

Note: Movie Source Deactivation/Activation

When a radio, disc, iPod or AV-IN, SAT radio, or music source is running, the movie source is deactivated. To activate the movie source, quit the running radio, disc, iPod or AV-IN, SAT radio, or music source

■ Movie Playlist Edit

You can add or delete playable files saved in the SD memory card and USB memory device and change their sequences.



① Displays the folder open/close. When pressed, it is opened/closed.
② Displays the memory/folder/file select/unselect. When pressed, it is selected/unselected.
③ The edition is saved and closed in the playlist editing and it goes to the previous status.
④ Changes to the previous/next playlist page.
⑤ Selects the currently selected folder or upper folder.
⑥ Adds the selected folder or file in the playlist.
⑦ Moves to the previous/next file administrator page.
⑧ All files in the playlist are selected.
⑨ Deletes the file selected from the playlist. But the files in the SD memory card or USB memory device are not deleted.
⑩ Can change the play sequence by moving the selected file in the playlist.
ⓐ Displays the playlist page number and total page number.
ⓑ Displays the current page number of the file administrator and total page number.

Note: Playlist Edit

- Screen on the left: The file administrator displays the folders and playable files saved in the SD memory card or USB memory device. You can perform the folder select/unselect/open/close and file select/unselect.
- Screen on the right: In the playlist, you can add the folders and files selected in the file administrator and select/unselect/delete/move the added file. In case of adding a folder, all the playable files in the folder are added.

■ Movie Playlist

① Playlist. When selected, it starts playing.
② Opens or closes the playlist panel.
③ Moves to the previous/next playlist page.
ⓐ Displays the current page number of the playlist and total page number.

14. Music

■ **Music GUI**

① Plays the MP3 player or pause it.
② Stops playing the MP3 player.
③ Plays the previous/next MP3 song.
④ Selects the Random or Repeat for the playback mode. If not selected, the mode is set at default to play all files within the playlist repeatedly.
⑤ Playlist, Artist – Artist name, Album – Album title or Genre – show the genre. And open or close the panel by pushing this button.
⑥ Switches to the playlist edit mode for the files stored in the SD Memory Card and USB Memory Device.
⑦ Shows the current play position and the user can move to a desired play position by dragging the arrow or pressing on the bar.
ⓐ Shows the current playback time and entire playback time.

Note: Playable File Format
- Playable File Format: MP3, WMA, OGG
- The file of holding unplayable file extension can not be added to the music playlist.
- You can see a warning message of "NOT SUPPORTED AUDIO FILE" when a damaged file or wrong file is selected.
- This unit only supports English, Korean and Chinese characters as for the filename. If a special character or other language is used for the filename, the filename will be shown differently (Ex: □ □ □.mp3).

Note: Music Playlist Edit
The method of using the music playlist edit is the same as that of movie (see page **).

Note: Music Source Deactivation/Activation
When a radio, disc, iPod or AV-IN, SAT radio, or movie source is running, the music source is deactivated. To activate the music source, quit the running radio, disc, iPod or AV-IN, SAT radio, or movie source.

■ Music List

• Playlist

① This is a playlist. Select and push a desired file to play the music.
② Opens or closes the list.
③ Switches to the upper list panel. In case of the upper screen, the user can select the playlist, artist list, album list and genre list by switching to the top list screen.
④ Moves to the previous/next playlist page.
ⓐ Shows the current page and entire page of the playlist.

• Top List

① This is the top list screen. You can switch to the corresponding list panel by selecting the list.
-Playlist: Switches to the edited playlist panel.
-Artist: Switches to the artist list panel.
-Album: Switches to the album list panel.
-Genre: Switch to the genre list panel.
② Opens or closes the list panel.

• Artist

This is the artist list selected from the top list.

① This is the artist list. Switch to the corresponding artist playlist panel by selecting an artist.
② Opens or closes the artist list panel.
③ Moves to the top list panel.

Note: When no file exists in the category list despite of the files existing in the playlist

Either the ID3 Tag is missing or damaged in the file. The ID3 Tag contains the basic information about the music such as title, artist, album, year, comment and genre.

• Artist Playlist (e.g. Mariah Carey)

This is the playlist of the artist selected from the artist list (Ex: Mariah Carey).

① Select the artist playlist to play the music immediately.
② Opens or closes the playlist panel.
③ Returns to the upper artist list panel.

15. Photo

① Runs the slide show or pauses it.
② Shows the previous/next photo file.
③ Rotates the photo by 90° to the clockwise/counter-clockwise direction.
④ The Photo halves/doubles in size each time you press until it is 0.25/4X normal size.
⑤ Shows the photo information (title, size, resolution, etc.). Open or close the playlist panel by pushing this button.
⑥ Switches to the playlist edit mode for the files stored in the SD Memory Card and USB Memory Device.

Note: Playable File Format

- Playable File Format: BMP, JPEG
- The file of holding unplayable file extension can not be added to the photo playlist.
- You can see a warning message of "NOT SUPPORTED IMAGE FILE" when a damaged file or wrong file is selected from the playlist.
- This unit only supports English, Korean and Chinese characters as for the filename. If a special character or other language is used for the filename, the filename will be shown differently (Ex: □ □ □.jpg).

16. Rear View Camera

When the Rear CAM is set to "On" after installing/connecting a rear viw camera, it will automatically switch to the Rear View Camera Source if the transmission is set to the rear gear regardless of the source being executed and receive and display the CVBS video signal from the rear view camera. If the rear gear is released, the system returns to the previous state.

Note: Rear View Camera Setup
Rear CAM is to **On** in **Setup > System > Rear CAM** (see page **).

17. Phone Mute

The telephone lead is connected to the car kit. Upon making or receiving a call, it switches to Phone Mute Source, mute the running source during a phone call, and the call is diverted through the speakers of the vehicle. After the call ends, it goes to the previous status.

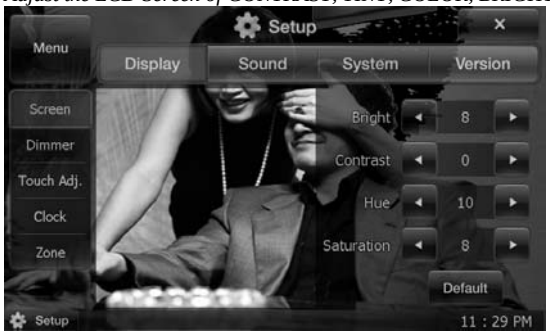
18. Setup

Note: Initialization
If the (Default) icon is pushed from every setting mode, the value is set to the initial value set at the time of manufacture.

■ **Display**

• Screen

Adjust the LCD Screen of CONTRAST, TINT, COLOR, BRIGHT.



- Bright: Adjust the brightness of the LCD screen by pushing the (◄)/(►) icon.

- Contrast: Adjust the contrast effect of LCD screen by pushing the (◄)/(►) icon.

-Hue: Adjust the hue effect of LCD screen by pushing the (◄)/(►) icon.

- Saturation: Adjust the color saturation of LCD screen by pushing the (◄)/(►) icon.

• Dimmer

Adjust the brightness of LCD screen according to the brightness of use environment.

- Auto Day/Night
  ON: Set the screen brightness automatically to value of Daytime/Nighttime Dimmer according to the On/Off state of vehicle taillight or headlight.
  OFF: Set the screen brightness manually to the Daytime Dimmer regardless of the On/Off state of vehicle taillight or headlight.

- Daytime/Nighttime Dimmer: Adjust the screen brightness by pushing the (+)/(-) icon.

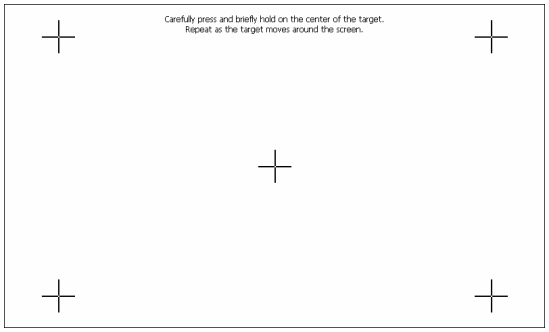
Note: Night Drive in the Auto OFF Mode
When the mode is Auto OFF, the user can set to show only the Daytime Dimmer. In the state of setting to Auto OFF, the screen brightness is kept with the value set in the Daytime Dimmer during a nighttime drive.

• Touch Adjustment

The screen icon may not work well as the touch sensitivity of the LCD screen is changed due to the severe temperature change of environmental change. In this case, the user can optimize the touch sensitivity by the adjusting the touch sensitivity of the LCD screen.

① Start the Touch Adjust Mode.

② Touch the center of plus marks (+) correctly that moves in the order of center→left top→left bottom→right bottom→right top.



③ After adjusting the sensitivity by pushing a total of five times, push the screen to apply the newly adjusted values. To return to the previous setting values after canceling the adjusted values, please wait for 30 seconds.

Note: Emergency Mode

When it is not possible to touch the touch adjustment icon because the touch sensitivity of LCD screen is severely altered, push the main unit button [⌂|⚙] for 1 long second to switch to the Setup – Display – Screen and again, push the main unit button [⌂|⚙] for 1 long second. Then, you can enter the Touch Adjustment screen.

• Clock

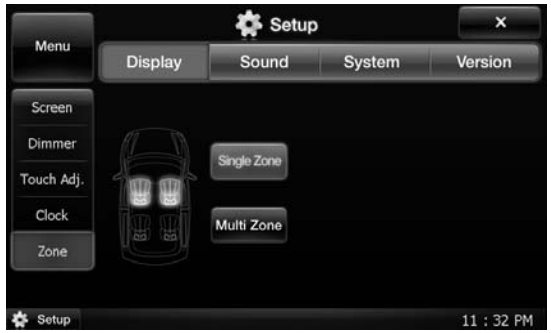
- SYNC
  ON: Automatically adjust the time displayed on the bottom of the product based on the time received from RDS.
  OFF: Do not use the automatic time adjust function. In this case, the system shows the time adjusted by the user.

Note: RDS Time
The time received from RDS is updated every minute. However when it is not possible to receive FM signal or is listening to the FM broadcasting without RDS signal, the time is not updated.

- Hour/Minute: Adjust the hour/minute by using the (◄)/(►) icon.

- Set: Save the time adjusted by the user.

• Zone



- Single Zone: Output the current source to an external A/V device connected to the A/V OUT terminal.

- Multi Zone: Output the selected rear source to an external A/V device connected to the A/V OUT terminal.

Note: Rear Source Deactivation
There exists a source that the rear source can not be selected according to the type of current source. The un-selectable source is deactivated.
Ex) If the current source is Music, no Movie item can be selected.

- Rear Speaker
  ON: Output the voice signal of Rear Source to the Rear Speaker.
  OFF: Do not output the voice signal of Rear Source to the Rear Speaker.

■ Sound

• Speaker Control

You can set the volume and various other effects on the front/rear/left/right speaker.

- BAL/FADER: Adjust the volume of the front/rear/left/right speaker by pushing the arrow icon.

- Max. Volume: As a function of preventing an excessive volume output for the driving safety of user, set the maximum volume output when the product power is turned on.
  The system automatically sets to a lower volume by comparing the Max. Volume with the volume at the time of previous power Off.
  Max. Volume < Volume at the Time of Previous Power OFF: Max. Volume
  Max. Volume ≥ Volume at the Time of Previous Power OFF: Volume at the Time of Previous Power OFF

⚠ Danger: Max. Volume Setting and Safe Driving
If the maximum volume is set too high, this can interfere with safe driving from a sudden increase of voice output. Please adjust the Max. Volume so that you can listen to the outside sound well.

⚠ Danger: Max. Volume Setting and Passenger Safety
If the Max. Volume is set too high, it can be harmful to the health of the weak and elderly, pregnant women and nursing mothers and patients from a sudden increase of voice output.

- LOUD
  ON: Stress the low pitched sound (100㎐) or high pitched sound (10㎑).
  OFF: Set at the default sound.

ⓘ Note: LOUD Effect
The LOUD effect may be diminished if the volume is too high.

- BASE EX
  ON: Stress the low pitched sound (100㎐).
  OFF: Set at the default sound.

• Sub Speaker

5.1 Adjust the center of channel speaker and volume respectively.

- Center: Adjust the volume by pushing the (+)/(-) icon.

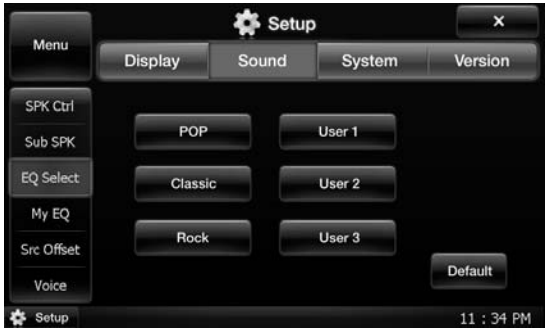
- Woofer: Adjust the volume by pushing (+)/(-) icon.

- V.Woofer: Select whether to output the 2-channel sound source through the virtual woofer.

• EQ Select

Set the equalizer (EQ).

There are three default modes of POP, Classic and Rock and three user setting modes.



- POP: Set to the EQ suitable to the POP genre.

- Classic: Set to the EQ suitable to the Classic genre.

- Rock: Set to the EQ suitable to the Rock genre.

- User 1/2/3: Set to the EQ saved according to the taste of user.

• My EQ

Set the EQ according to one's own taste.

Set the values of three frequency zones such as BASS, MID and Treble. They can be set to 15 levels respectively from -7 to +7.

- BASS(100㎐): Set the value by pushing the (+)/(-) icon.

- MID(1㎑): Set the value by pushing the (+)/(-) icon.

- TREBLE(10㎑): Set the value by pushing the (+)/(-) icon.

- After finishing the setup, save the setting value to User 1/2/3 by pushing one of three icons like (①)/(②)/(③).

• Source Offset

The volume level can be adjusted differently according to the source type. Accordingly, set the Volume Offset of each source to output an appropriate volume level when running the source.
The offset setup value can be adjusted in 7 levels by 2db up/down according to the current volume level.

Note: Source Selection When Setting the Source Offset
For an appropriate volume offset, it is desirable to adjust the setting while listening to the current source sound. When setting the volume offset of the source other than the source being currently played, it is difficult to set an appropriate value since no audio sound is heard.

• Voice

- Navigation Voice Control: When the source is switched while running the navigation system, the system outputs the current video and voice signal by default. If a navigation voice signal occurs in the meantime, the system outputs the navigation voice signal instead of the current source.
  ON: Run the voice navigation function.
  OFF: Do not run the voice navigation function.

- Call Voice: When calling by the hands-free unit through Bluetooth, adjust the talk volume by pushing the (+)/(-) icon.

■ System

• Disc - VIDEO - Format

Set the TV type that the DVD is played.

- NTSC: As the type established by the National Television System Committee, the countries such as Korea, USA, Japan and Canada have adopted it as the standard system.

- PAL: The Phase Alternation by Line method, as a method that improves the NTSC defect of phase distortion, the countries such as Germany, England, Italy and China have adopted this type.

Note: Flicker when Changing a Format

The screen may flicker when switching to the Disc Video Format (NTSD ↔ PAL). This is a temporary phenomenon and will come back to the normal state shortly.

• Disc - AUDIO - Speaker

Set the respective speakers of 5.1 speaker system when playing a DVD.

- FRONT SPEAKER: Select Large or Small according to the size of the front speaker in use.

- REAR SPEAKER: Select either Large, Small or Off according to the size of the rear speaker in use.

- CENTER SPEAKER: Select either Large, Small or Off depending on the size of the center speaker in use. If a center speaker is not installed, set Off.

- SUBWOOFER SPEAKER: If the subwoofer is in use, set On. And if a subwoofer is not installed, set Off.

Note: Speaker Setup

• Large: The speakers output the full band of audio.

• Small: The speakers output the audio signal whose the low band(less than 200Hz) is cut off.

Note: Speaker Setup for CD

• The source of CD has 2-channel audio. Thus it's speaker output is related with front speaker setup only. Even if you change the rear, center, and subwoofer speaker setup, the speaker output doesn't change.

• If you change the speaker setup for a 5.1-channel DVD disc, it might be inappropriate for a CD. In that case, make a change in the speaker setup for a CD.

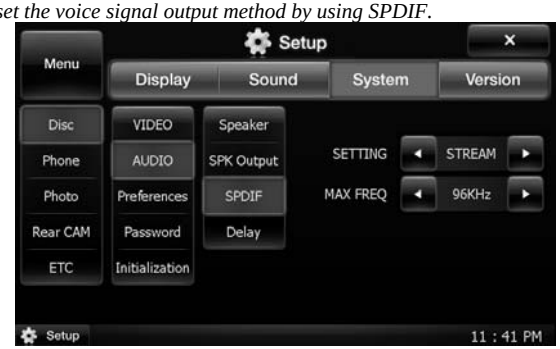
• Disc - AUDIO - Speaker Output

- DOWNMIX: Set this function when listening to the multi-channel voice signal through two-channel audio.
  OFF: Do not use the Downmix function.
  LT/RT: Merge the multi-channel voice signal and send to the left/right channel.
  STEREO: Output in the stereo sound.
  V SURR: Output in the virtual surround sound.

- DYNAMIC: Set the Dynamic Range of Dolby Digital Audio Source when playing a DVD. The Dynamic Range, which allows setting a difference between the maximum and minimum level values of sound, the sound becomes more dynamic as the value is larger.
  OFF: Turn off the dynamic range effect.
  12.5%, 25%, 37.5%, 50%, 62.5%, 75%, 87.5%, FULL: Select the difference between the maximum and minimum level values of sound.

• Disc - AUDIO - SPDIF (Sony/Philips Digital Interface)

When generating a voice signal by connecting to an external digital audio unit, set the voice signal output method by using SPDIF.

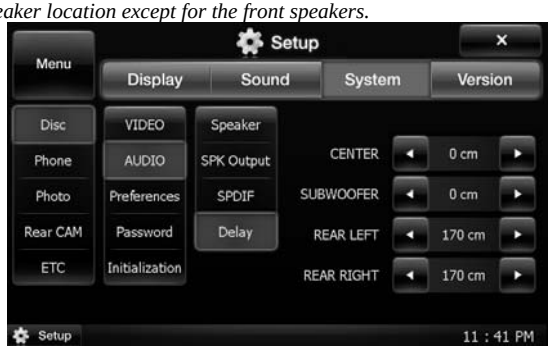


- SETTING
  OFF: Do not output the digital audio signal.
  STREAM: Output the digital audio signal directly. Select it when the external digital audio unit has the Dolby Digital Decoding function.
  PCM: Output the decoded digital audio signal. Select when the external digital audio has a 2-channel digital stereo amplifier. Generally, this mode is used for the audio CD signal. This outputs the DVD recorded in a format of Dolby Digital, MPEG1 or MPEG2 in a PCM 2-channel form.

- MAX FREQ: Set to the maximum sampling rates of SPDIF.

• Disc - AUDIO - Delay

Adjust the Delay Time of each speaker by setting the distance according to the speaker location except for the front speakers.



• Disc - Preference - Disc Menu

Set the disk menu language supported by DVD. But, this function can only be used by the DVD supporting multiple languages.

• Disc - Preference - Audio

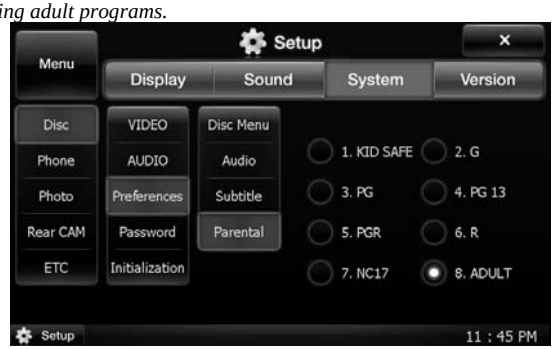
Set the language supported by DVD.

• Disc - Preference - Subtitle

Set the caption language supported by DVD.

• Disc - Preference – Parental (Limited View Option)

This is the function that limits viewing in order to keep children from watching adult programs.



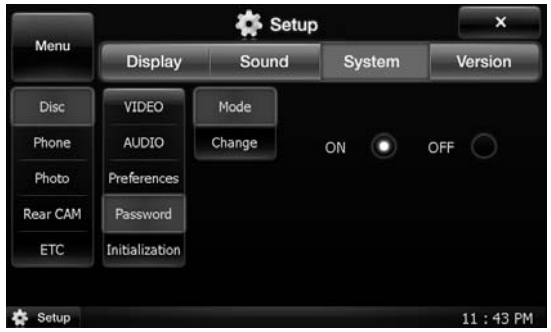
Note: Parental Setup Ratings

- KID SAFE: Suitable for Children
- G: General Audiences
- PG: Parental Guidance suggested; Some material may not be suitable for children
- PG13: Parents Strongly Cautioned; Some material may not be inappropriate for children under 13
- PGR: Parental Guidance Recommended; Parents very strongly Cautioned.
- R: Restricted; Under 17 Requires Accompanying Parent or Adult Guardian
- NC17: No One 17 and Under Admitted
- ADULT: Adults Only

Note: Parental Setup Password

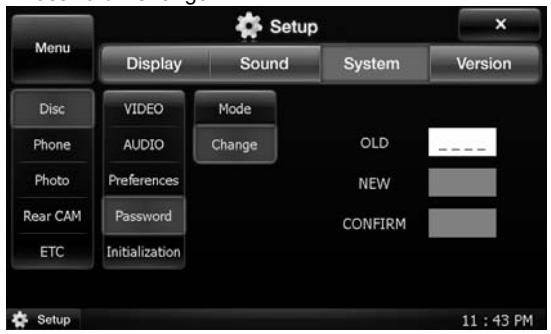
Password should be entered when entering the Parental Setup menu.

• Disc - Password - Mode



- Password Mode: Select whether or not to set a password.
  ON: Use the password mode.
  OFF: Do not use the password mode.

• Disc - Password - Change

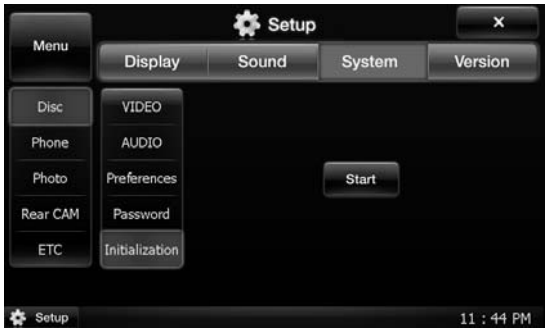


- Password Change: Change the 4-digit password. Please use the provided remote control for the password entry.
  OLD: Enter current password.
  NEW: Enter new password.
  CONFIRM: Enter new password again.

Note: When losing your password

When you lose your password, you may use the default password. The default password is '1111'.

• Disc - Initialization



When the user has set the System – DVD setup incorrectly by mistake, the system can be initialized by pushing the (Start) icon.

• Phone

Set the authentication, service connection/disconnection between this unit and mobile phone for the Bluetooth communication.

- Pairing(Authentication Process)

① Execute the pairing mode by pushing the left (Start) icon.
② The Bluetooth function of this product may be set in the pairing mode.
③ Search a device for connection in the Bluetooth mode of mobile phone.
④ If the "ACEBT-V1" item is found, stop the search.
⑤ Select the "ACEBT-V1" item and enter the password "0000".

⑥ If a unique address of the mobile phone is created in the list (authentication list) on the right, the authentication process is normally terminated.

- Connection (Service Connection)

After selecting a device registered through the authentication process, either push the (Connect) icon of this product or select the supported services (Ex: Hands-free, stereo headset, headset, data communication, etc.) from the mobile phone to make the service connection.

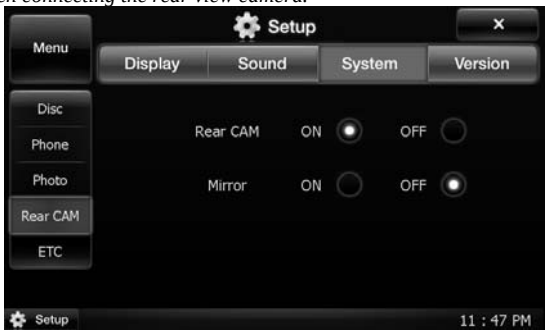
If the connection is established, the system will display the "CONNECTED" phrase along with HFP, A2DP, HSP or PBAP according to the service selected.
If HFP+A2DP are selected, two services will be supported at the same time.
Also, the user can cancel or delete the authenticated device item.

• Photo

Set the time interval of photo slide show.

• Rear CAM

Set when connecting the rear view camera.



- Rear CAM
  ON: When a rear view camera is connected, it will automatically receive and display the CVBS video signal when moving backward.
  OFF: Select when no rear view camera is connected.
- Mirror
  ON: Reverses the image of the camera to emulate a rear view mirror.
  OFF: Allows the image from the camera to be shown without the mirror effect.

• ETC

- Beep: Turn on/off the beep sound when pushing a button or touch screen.

- Auto Close
  ON: When the engine is stopped, the LCD panel will be closed automatically. If the engine is started again, it will automatically move to the angle position of LCD panel that was adjusted for the last time.
  OFF: The LCD panel is not closed whether or not the engine has started and the current angle will be kept.

■ Version

The user can check the currently installed/used program versions of Boot, OS, Application, Phone and MICOM. The software upgrade may be performed without a prior notice to the user for performance upgrade. The update and other information may be posted on the product website of manufacturer and reseller.

The update of this product such as Boot, OS, Application, Phone or MICOM shall be performed by the user. If you want to have a technical service, please contact the customer support center of manufacture or reseller.

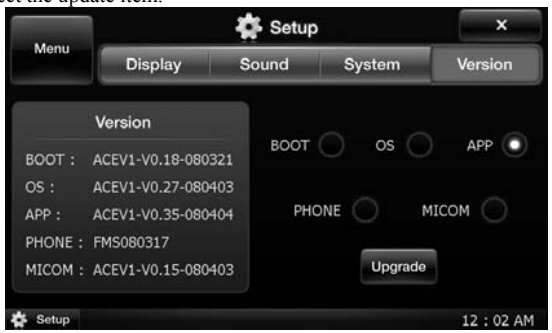
Caution: Power When Updating an Application

Please pay attention to the power so that it is not turned off when upgrading a program. The product may not function properly when the power was interrupted while in upgrading a program from a power failure like an electric discharge of the battery.

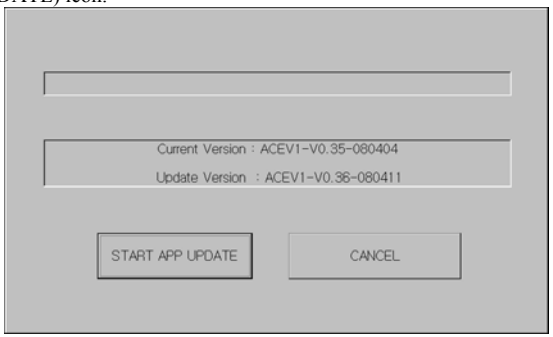
Note: SD Memory Card Slot While in Update

Please insert the SD memory card of holding the download file for program update into the NAVI slot. Otherwise, the system can not recognize the update file.

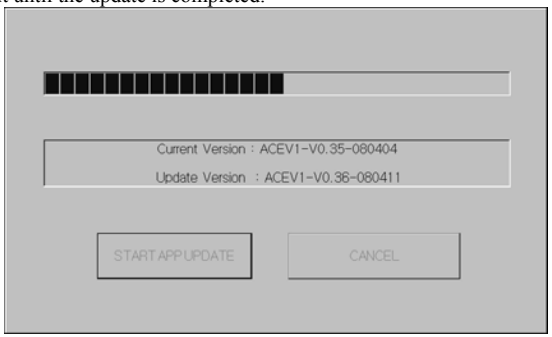
① Select the update item.



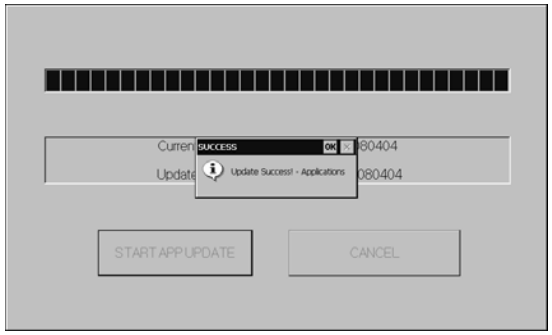
② Check the current version and update version and push the (START UPDATE) icon.



③ Wait until the update is completed.



④ If the update is completed, the window of "Update Completed" will appear. Push the 「OK」 button.



⑤ If the update is successfully completed, the screen will return to ①. Please check the updated version. If the update is completed, the main menu will appear; if the MICOM update is completed, the unit power will be automatically turned Off and On.

Note: Update Process
The update process of OS, Application, Phone or MICOM may differ slightly by the program.

19. Appendix

■ Trouble Shooting

If the problem continues after performing the following actions, please contact the place of purchase or customer support center (***-****-****).

• DVD Player

Message	Symptom	Action
Please Check Disc	When the unit can not read the disk.	Clean the disk or replace it with another disk.
Err 0	When the temperature of DVD Loader is no less than 75 degrees.	Turn off the power of this product and adjust the temperature.
Err 1	When the temperature of DVD Loader is not more than – 30 degrees.	Turn off the power of this product and adjust the temperature.
Err 5	When the spindle motor does not work properly.	Turn off and on the power again.
Tray Error	When the tray is locked because of an inserted disc.	Turn off and on the power again. Take out the disk forcefully by pushing and holding the [⏏] button for a few seconds.
Input Invalid	When pushing a button or icon incorrectly.	Push the correct button or icon.
Play Back Only	When entering a playback command not supported in the current mode.	

• General

Symptom	Cause	Action
Power does not turn on.	Fuse has blown.	Replace with a fuse of same amperage. If the fuse blow again, consult with the dealer from whom you purchased the unit.
Nothing happens when buttons are pressed. Display is not accurate.	The operating environment is too cold or too hot.	Operate the unit at room temperature.
	The microprocessor has malfunctioned due to electrical noise, static or other causes.	Turn off the unit and then power it up again.
Touch screen is not working properly.	The touch screen is incorrectly aligned.	Adjust the touch screen sensitivity of the LCD screen.
The remote control does not work.	Sunlight is interfering with the remote control IR Sensor.	Try use this unit where there in no direct sunlight hitting the sensor.
	Batteries of remote control are dead or there is no battery in the remote control.	Check and/or replace the batteries in the remote control unit.

• LCD Screen

Symptom	Cause	Action
The image is not displayed.	The parking brake is not pulled.	Check that the parking brake is set.
The display is dark.	The screen bright setup is too low.	Adjust the **Bright** setting (see page **).
	The operating temperature is too low.	Make sure the vehicle cabin is at room temperature.
	The headlights of the vehicle is turned on.	The Dimmer's Auto Day/Night is set to **On**, the display brightness is automatically reduced when the headlights are on (see page **)..
Display color of the display is light or pale.	Display color is incorrectly adjusted.	Adjust Color, Hue and Saturation settings (see page **).
Video image is poor when other video source is connected.	NTSC/PAL setting is incorrect.	Set the NTSC/PAL properly according to the other video source.

• Sound

Symptom	Cause	Action
No sound.	The volume is set too low.	Increase the volume.
	Speaker wires are not connected correctly.	Connect the speaker wires correctly.
	Unit is set to mute.	Cancel the mute function.
No sound is heard from a speaker.	In the Speaker setup, a speaker is set to OFF.	Correct the speaker setting in **Setup > System > Disc > Audio > Speaker** (see page **).
	The Bal/Fader setup is incorrect.	Press (Default) icon in **Setup > Sound > SPK Ctrl** (see page **).

• Disc

Symptom	Cause	Action
Disc cannot be loaded.	Another disc is already loaded in the player.	Eject the disc before loading another one.
DVD disc will not play	A DVD disc with a different area code is loaded.	Use only discs with the same area code as this unit.
Sound skips, or sound is noisy.	Disc is dirty.	Clean the disc with a soft cloth.
	Disc is heavily scratched or warped.	Replace with an undamaged disc.
Sound is bad immediately after power is turned on.	Droplets may have formed on the internal lens when the car is parked in humid location.	Leave the power on for about one hour to dry the unit.
Disc cannot be played, and the display reads "Parental Violation".	Viewing has been restricted by the unit's Parental setting.	Release the restriction or change the Parental setting (see page **).
DVD pauses during playback.	The disc is a dual-layer DVD disc.	It is normal for dual-layer discs to pause during playback briefly and then resume playback.
MP3 files will not play.	The disc storage standard in incorrect.	Use only discs which have files storage according to ISO9600 Level 1/Level 2 standards.

■ Notices for Installation and Service

⚠ Danger: Product Installation

- The installation and other related information of this product have been prepared for the experts familiar with the product. The manufacturer may be responsible for a problem occurred at the time of installation by one not familiar with the product.
- All wiring tasks shall be completed by protecting them with a wiring clamp or insulating tape.

- Please do not fierce the wall between the engine and indoor side to connect the yellow wire of this product and battery for the car. The product may be damaged or may not function properly if the coating around the hole is stripped. Also, the user can hear the outside noise or engine noise more clearly.
- Please install this product carefully so that the connection wires are not tangled with the gear shift, parking brake, seat sliding mechanism, etc. Or it will interfere with driving and become a cause of accident.
- Please do not cut the connection cables included in this product. If they are cut shorter, the circuit for the product protection may not operate properly.
- Please use the product by connecting a DC 12V battery only after grounding it in a negative way.
- When connecting this product to RV, SUV, truck or bus, please check the battery voltage. If the voltages are different, please use the product only after adjusting the voltage by using a separate transformer (optional).
- Please turn off the product power prior to connecting the battery cable. Or it may cause an electric shock or electric leakage.
- Please do not install the connection cables of this product near to a heating unit. This can damage the product or the product may not work properly as the coating gets stripped off.
- Please connect other device to the power supply cable. It may damage the product or cause a fire if the current capacity of the cable is exceeded.
- When replacing a fuse, please use only the fuse conforming to the specifications shown on the fuse holder. If a fuse other than the one specified is used, it may cause a fire or damage the product if the current capacity is exceeded.
- As for the speakers connected to this product, please use only the high power type. The impedance of usable speakers is 4~8 Ω and the minimum rated power is 50W. When connecting a speaker with the impedance or output other than those specified, it can damage the product or speaker.
- Please be careful so that the blue wire of this product is not connected to power socket of auto antenna.
- Please be careful so that the blue/white wire of this product is not connected to the power socket of external power amplifier. It may consume an excessive current or the product may not operate properly.
- Please cover the exposed wire with an insulation tape. Especially, the unused speaker cables should be insulated. If the connection cables are not insulated, it may cause an electric shock or electric leakage.
- This product may not be installed onto a vehicle that does not have ACC/ON on the start-up switch.
- Please ground the ground wire (black colored wire) separately from the product of consuming much current like a power amp. If this product is grounded together with a product of consuming much current, it may cause a fire or damage the product.

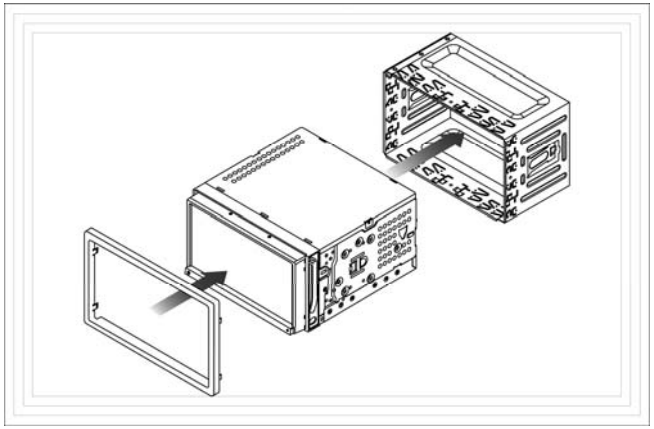
■ Installation and Removal of the Main Unit

• Installation–Installation Method by Using Universal Mounting Bracket

① Insert the universal mounting bracket into the Instrument Panel of the car.
② Bend all the stoppers of the bracket toward the inside by using a screw driver. There are 5 stoppers on the upper and lower sides of the bracket.

ⓘ Caution: Product Fixing State
Please fasten the product so that the main unit does not move.

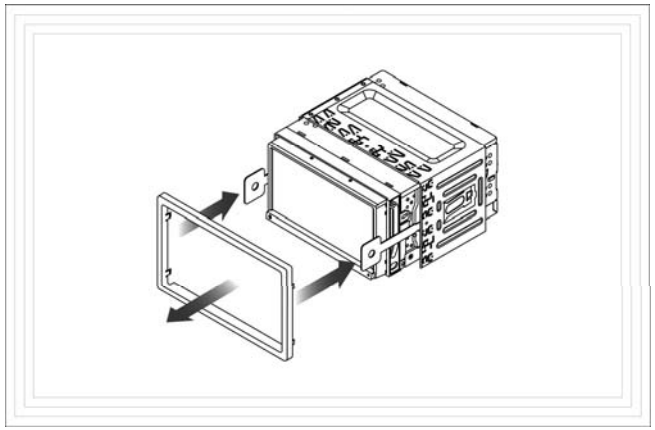
③ Insert the main unit into the university mounting bracket so that the product can be locked in.
④ Install the connection wires while referring to the "System Connection" section.
⑤ Attach the Trim Cover. Check whether all hooks are connected.



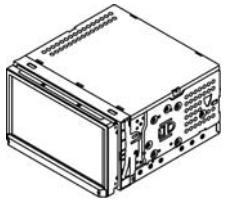
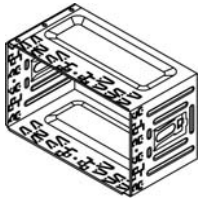
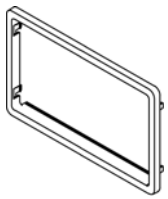
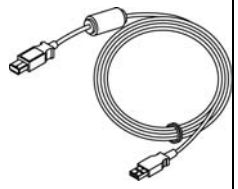
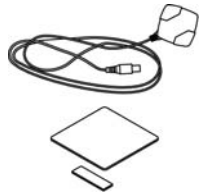
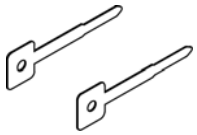
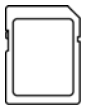
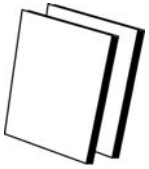
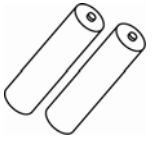
• Removal

① Please remove the screws from the rear side of main unit in the reverse order of installing the main unit.
② Remove the Trim Cover.
③ Insert a split bar between spring and universal mounting bracket.
④ Take out the main unit by using the split bar.

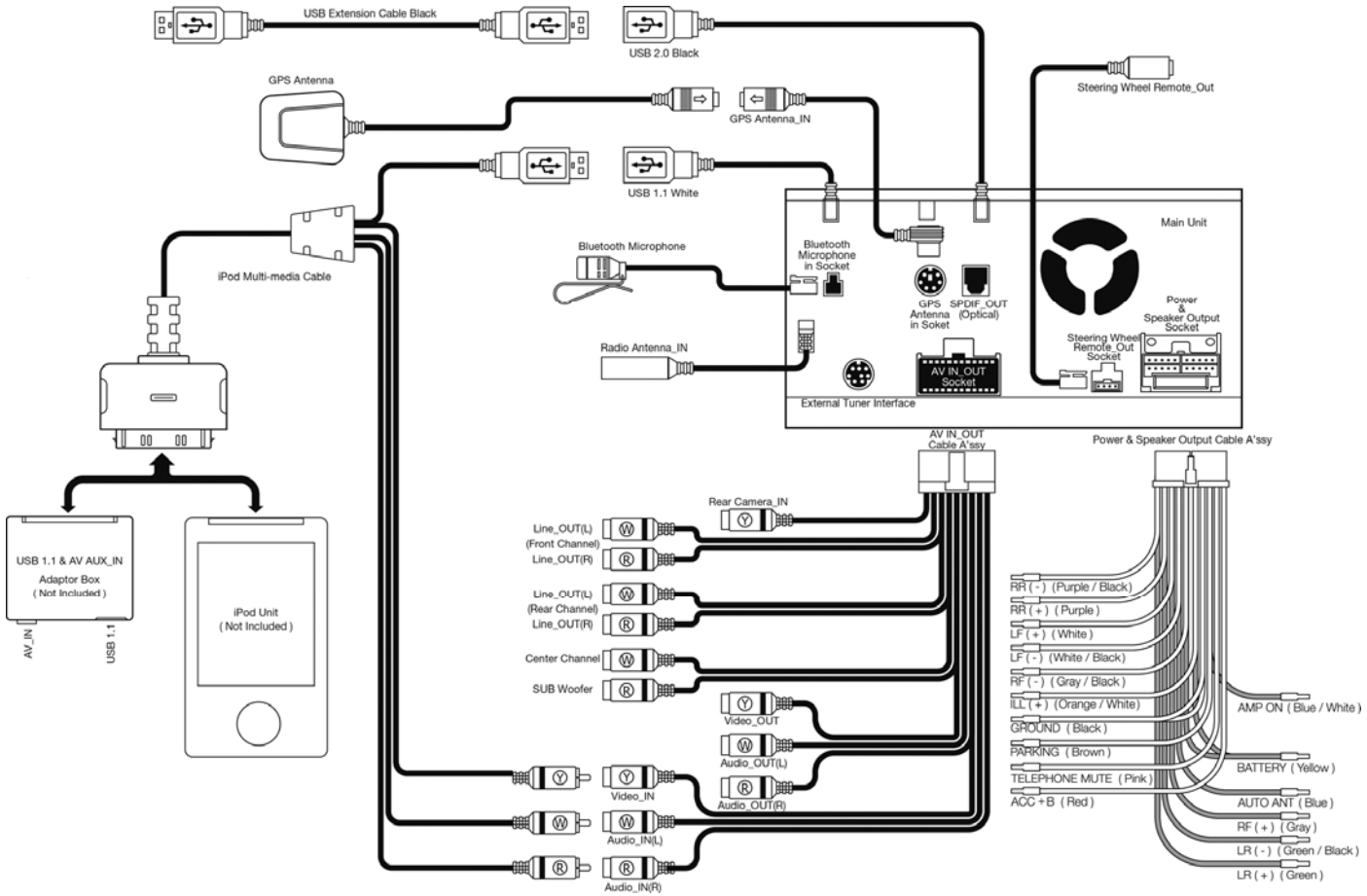
ⓘ Caution: Split Bar Storage
The main unit can not be removed without the split bar. Please keep the split bar in a secure place.



■ **Components and Accessories**

					
Main Unit	Mounting Bracket	Trim Cover	Remote Control	USB Extension Cable	
					
Power & Speaker Out Cable Assembly	AV IN/OUT Cable Assembly	Bluetooth Microphone	iPod Multi-media Cable	GPS Antenna	Steering Wheel Remote Out Cable
					
	Machine Screw(8EA)	Split Bar	SD Card	Owner’ s Manual	Battery (AAA Type, 2EA)

■ **System Connection**



Appendix

■ Specifications

• Monitor	
Screen Size	6.98 inch Wide Format (167.35mm×93.0mm×6.8mm)
Display Method	TFT Active Matrix LCD
Resolution	800(V) × 480(H)
Color system	NTSC, PAL, SECAM

• DVD Player	
Playable Disc Formats	DVD-Video, Audio CD, Video CD, MP3 CD
Playable Disc Types	CD, CD-R/RW, DVD-R/RW, DVD+R/RW DISC
Distortion	0.3% or less (1KHz)
Signal-to Noise Ratio	80㏈ or higher (1KHz, IHF-A)
Digital Output Format	AC-3/LPCM

• AM Tuner	
Tuning Range	530KHz ~ 1,710KHz, 10KHz Step
Usable Sensitivity	35dB or lower

• FM Tuner	
Tuning Range	87.5MHz ~ 107.9MHz, 200KHz Step
Usable Sensitivity	12㏈μ or lower
Stereo Separation	26㏈ (98.1MHz) or higher
Frequency Response	20Hz ~ 12.5KHz

• AV IN/OUT	
Input	AUX AV IN, Rear CAMERA IN, USB2.0, iPod
Output	AUX AV Out, SPDIF
etc	5.1 CH Pre-Amp Line Out

• Audio AMP	
Rated Power Output (THD=10%)	25W × 4CH (1KHz, 4Ω)
Power Output, Max.	45W × 4CH
Speaker Impedance	4Ω ~ 8Ω

• Bluetooth	
Core Version	Bluetooth V 2.0
Range	Class 2
Profile	HFP, A2DP, HSP, AVRCP, PBAP, OPP

• Navigation	
Map Memory Type	SD Memory Card
GPS Receiver	SiRFstar™ III GPS with Patch Antenna/Indoor

• General	
Input Voltage	14.4V (Allowable Voltage Range: 11V~16V)
Current Max.	11.0A (14.4V)
Fuse Capacity	15A
Operation Temp. Range	-10℃ ~ + 60℃
Storage Temp. Range	-30℃ ~ + 85℃
Dimensions	178㎜(W) × 100㎜(H) × 183㎜(D)
Weight	2.6㎏

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