EN

FR

ES

6.5-INCH NAVIGATION / DVD RECEIVER

INE-W970HD

- OWNER'S MANUAL
  Please read before using this equipment.
- MODE D'EMPLOI
  Veuillez lire avant d'utiliser cet appareil.
- MANUAL DE OPERACIÓN
  Léalo antes de utilizar este equipo.

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.
You will be informed of product and software updates (if applicable), special promotions, news about Alpine.

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Operating Instructions

PRECAUTIONS

IMPORTANT INFORMATION : PLEASE READ CAREFULLY BEFORE USING THIS PRODUCT.

- *This product is not a substitute for your personal judgement. Any route suggestions made by this navigation system should never supersede any local traffic regulations or your personal judgement and/or knowledge of safe driving practises. Do not follow route suggestions if the navigation system instructs you to perform an unsafe or illegal manoeuvre, places you in an unsafe situation, or routes you into an area which you consider unsafe.*

- *Glance at the screen only when necessary and safe to do so. If prolonged viewing of the screen is necessary, stop in a safe and legal manner and location.*

- *Do not input destinations, change settings, or access any functions requiring a prolonged view of the monitor while you are driving. Stop in a safe and legal manner and location before attempting to access the system.*

- *When using the navigation system to find/route to an emergency service, please contact the facility to validate and verify availability, prior to driving to it. Not all locations of emergency service providers such as police and fire stations, hospitals, and clinics are contained in the database. Please use your own judgement and your ability to ask for directions in these situations.*

- *The map database used in the navigation system is the most recent map data available at the time of production. Because of changes in streets and neighbourhoods, there may be situations where the navigation system may not be able to route you to your desired destination. In these cases, use your own personal judgement.*

- *The map database is designed to provide you with route suggestions, it does not take account of the relative safety of a suggested route, or of factors which may affect the time required to reach your destination. The system does not reflect road closures or construction, road characteristics (i.e. type of road surface, slope or grade, weight or height restrictions, etc.), traffic congestion, weather conditions, or any other factors which may affect the safety or timing of your driving experience. Use your personal judgement if the navigation system is unable to provide you with an alternate route.*

- *There may be situations where the navigation system may display the vehicle's location erroneously. Use your own driving judgement in this situation, taking into account current driving conditions. Please be aware that in this situation, the navigation system should correct the vehicle's position automatically; however, there may be times where you may have to correct the position yourself. If this is the case, stop in a safe and legal manner and location before attempting operation.*

- *Make certain that the volume level of the unit is set to a level which still allows you to hear outside traffic and emergency vehicles. Driving while unable to hear outside sounds could cause an accident.*

- *Please make certain that any other person who intends on using this navigation system reads these precautions and the following instructions carefully.*

If there is anything in the manual about the operation of the navigation system which you are uncertain about, please contact your local Alpine authorised navigation dealer before using the navigation system.

- *Read this manual carefully before using this disc and the system components. They contain instructions on how to use this product in a safe and effective manner. Alpine cannot be responsible for problems resulting from failure to observe the instructions in this manual.*

- *This manual uses various pictorial displays to show you how to use this product safely and to alert you to potential dangers resulting from improper connections and operation. Following are the meanings of these pictorial displays. It is important to fully understand the meanings of these pictorial displays in order to use this manual and the system properly.*

⚠ WARNING

- *Operation of the system while driving is dangerous. Users should stop vehicle before operating the software.*
- *Road conditions and regulations take precedence over information contained on the map display: observe actual traffic restrictions and circumstances while driving.*
- *This software is designed for use exclusively in the unit. It cannot and may not be used in conjunction with other hardware.*

⚠ WARNING

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

INSTALL THE PRODUCT CORRECTLY SO THAT THE DRIVER CANNOT WATCH TV/VIDEO UNLESS THE VEHICLE IS STOPPED AND THE PARKING BRAKE IS APPLIED.

It is dangerous for the driver to watch TV/Video while driving a vehicle. Installing this product incorrectly enables the driver to watch TV/Video while driving. This may cause a distraction, preventing the driver from looking ahead, thus causing an accident. The driver or other people could be severely injured.

DO NOT WATCH VIDEO WHILE DRIVING.

Watching the video may distract the driver from looking ahead of the vehicle and cause an accident.

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.

DO NOT FOLLOW ROUTE SUGGESTIONS IF THE NAVIGATION SYSTEM INSTRUCTS YOU TO PERFORM AN UNSAFE OR ILLEGAL MANEUVER, OR PLACES YOU IN AN UNSAFE SITUATION OR AREA.

This product is not a substitute for your personal judgement. Any route suggestions by this system should never supersede any local traffic regulations or your personal judgement or knowledge of safe driving practice.

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.

MINIMIZE DISPLAY VIEWING WHILE DRIVING.

Viewing the display may distract the driver from looking ahead of the vehicle and cause an accident.

DO NOT DISASSEMBLE OR ALTER.

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

USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND.

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

KEEP SMALL OBJECTS SUCH AS SCREWS 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.

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 ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS.

Arrange wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.

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.

⚠ WARNING

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.

⚠ NOTICE

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 +45°C (+113°F) and 0°C (+32°F) before turning your unit on.

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.

Protecting the USB connector

- Only compatible smartphones, iPods or USB Flash drives can be connected to the USB connector on this unit. Correct performance using other USB products cannot be guaranteed.
- If the USB connector is used, be sure to use only the supplied connector cable with the unit. A USB hub is not supported.
- Depending on the connected USB flash drive, 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/FLAC/OGG/APE/MP2.
- Artist/song name, etc., can be displayed. Certain, special characters may not be correctly displayed.

⚠ CAUTION

Alpine shall not be responsible for lost data even if such data is lost while using this product.

On Handling USB Flash drive

- This unit can control a memory storage device that supports the USB Mass Storage Class (MSC) protocol. Playable audio file formats are MP3, WMA, AAC, OGG, APE, MP2 and FLAC.
- USB Flash drive function is not guaranteed. Use USB flash drive according to the terms of agreement. Read the USB flash drive Owner's Manual thoroughly.
- 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 USB flash drive in a location where driver operation will not be hindered.
- USB Flash drive may not function correctly at high or low temperature.
- Use only certified USB flash drive. Note that even certified USB flash drive, may not function correctly depending on its type or state.
- Depending on the settings of the USB flash drive type, memory state or encoding software, the unit may not play back or display properly.
- USB Flash drive may take time to start playback. If there is a particular file other than audio in the USB flash drive, it may take considerable time before the file is played back or searched.
- The unit can play back MP3, WMA, AAC, OGG, APE, MP2 or FLAC 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.

Copyrights and Trademarks

- "Made for iPod," and "Made for iPhone," mean that an electronic accessory has been designed to connect specifically to iPod, or iPhone, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, or iPhone may affect wireless performance.
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- Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone, or iPod may affect wireless performance.
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Key Features

Key System Features

My Menu

Frequently used functions such as the Audio or Navigation mode can be easily recalled by adding them to the My Menu screen. For details, see “My Menu Function” (page 16).

■ **My Menu Screen Example**

- Frequently used functions and useful functions can be customized for your convenience.
- Up to eight items can be added to My Menu.
- You cannot add the same feature more than once.

Swiping the Touch Screen

You can change a screen or a page by swiping the touch screen vertically or horizontally with your finger. For details, see “Touch Screen Operation" (page 13).

USB Music Screen Example

Swipe the display with your finger lightly.

About Dual Screen

Dual Screen allows you to display the Navigation and Audio/Visual screens simultaneously.

Dual Screen

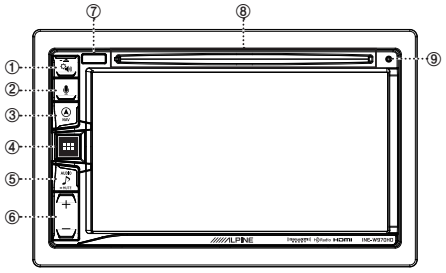
Touch left side of dual screen

Navigation Full Screen

Getting Started

Components and Features

INE-W970HD



① **Sound Settings or Eject button**

Displays the Tone/Fader/Balance settings screen.
Press and hold this button to eject Disc.

② **VOICE button**

Depending on the connected smartphone, press to call Siri function or voice recognition mode.

③ **NAV button**

From an Audio system screen, press this button to recall the the last screen of the Navigation System.
Press again to switch to Navigation menu screen.
Press and hold this button for at least 2 seconds to change to Go Home route screen. (If Home is not set yet, it will change to the Home setting screen.)
For details of navigation operations, refer to "Navigation System OM (Owner's Manual)".
Recalls the connected smartphone's map screen.
Depending on the smartphone, this function may not be available.

④ **ALL MENUS or (Power Off) button**

Recalls the All Menus screen.
Press and hold this button for at least 2 seconds to turn the power off.

⑤ **(AUDIO) or – MUTE (MUTE) button**

Displays the Audio/Visual screen.
When pressed and held, mutes the volume.

⑥ **+ / – button**

Press to adjust the volume.

⑦ **Remote Sensor**

Point the remote control transmitter towards the remote sensor within a range of 2 meters.

⑧ **Disc insert slot**

Inserts/ejects discs

⑨ **RESET switch**

The system of this unit is reset.

About the button descriptions used in this Owner's Manual

The buttons found on the face of the unit are expressed in bold (e.g. MENU). The buttons found on the touch-screen display are shown in bold within brackets, [ ] (e.g. [×]).

Turning Power On/Off

Some of this unit's functions cannot be performed while the vehicle is in motion. Be sure to stop your vehicle in a safe location and apply the parking brake before attempting these operations.

1 **Turn the ignition key to the ACC or ON position.**

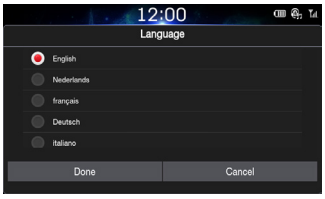
The system turns on.

- *When turned on, the system displays the last screen that was displayed before the ignition key was turned off. For example, if the unit is in radio mode when ignition is turned off, it will remain in radio mode when ignition is turned back on.*

2 **Press and hold the ALL MENUS/(Power Off) button for more than 2 seconds to turn the power off.**

- *The unit can be turned on by pressing any button.*
- *The unit is a precision device. Careful handling of the unit should provide you with years of trouble-free operation.*

Turning the System On



With the Alpine system, the home screen is displayed automatically when the ignition key is turned to ACC or ON.

When the system is used for the first time, the language selection menu is displayed. Swipe the Language list screen vertically, then touch your choice from the list of 3 languages.

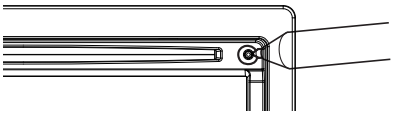
- *Some of this unit's functions cannot be performed while the vehicle is in motion. Be sure to stop your vehicle in a safe location and apply the parking brake before attempting these operations.*

Resetting the System

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 the RESET switch with a ballpoint pen or similar pointed object.**



Adjusting the Volume

Adjust the volume by pressing the [+ -] button. Volume increases/ decreases continuously by pressing and holding the [+ -] button.
Volume: 0 - 35

Muting the Volume

Audio Mute function instantly lowers the volume level to 0.

Press and hold the AUDIO button.

The Audio level will be 0.

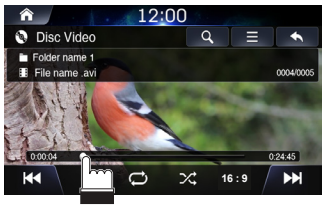
Touch Screen Operation

You can operate the system by using the touch panel on the screen.

- *Be sure to touch the onscreen button lightly with the pad of your finger to avoid scratching the display.*

Touch Operation

Touch a button or list item on the screen lightly.



- *If you touch a button and there is no reaction, remove your finger.*
- *Onscreen buttons that cannot be operated are dimmed.*

Swipe Operation

To scroll through multiple screens, move your finger lightly with a swipe left or right.

Drag & Drop operation

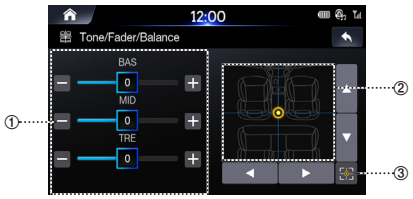
Touch and hold the desired item, then drag it to its new location by moving your finger, then release your finger to place the item.

- *It is not possible to narrow the screen with two fingers (pinch in) or spread the screen (pinch out).*

Sound Settings

Press the (Sound Settings) button to adjust sounds.

The Tone/Fader/Balance settings screen will be displayed.



① **Buttons for Tone Level**
② **Balance/Fader Area**
③ **Button for Center Position**

Use the +, -, ▲, ▼, ◀, ▶, and buttons to adjust settings.

Touch to restore sound to the Center position.

Voice Recognition

You can use the Siri or Google Assistant voice function of your iPhone/Android phone.

1 **Connect your phone and activate Apple CarPlay or Android Auto.**

2 **Press the Voice button to start voice recognition.**

3 **Say the command.**

Switching Sources

Press the (AUDIO) button to change the source.

Switching Sources Using the AUDIO button

During audio/visual playback, press the (AUDIO) button repeatedly to switch to the desired source.

Radio → USB Music → USB Video → AUX → HDMI → Disc → Bluetooth Audio → Radio

**1 When no USB flash drive/iPod/HDMI device/Smartphone/Bluetooth compatible device is connected, USB Music will be skipped.*
**2 The name of the HDMI or AUX device will be displayed.*
**3 When AUX is set to "Off," USB Music will be skipped.*
**4 Available when Apple CarPlay is used/Android smartphone which installed Android Auto App is connected.*

To play Apple CarPlay music shall impact iPod source when an iPhone 5 or later is connected and vice versa. Refer to "Setting Apple CarPlay".

Switching Sources from the All Menus Screen

1 **Press the All Menus button.**

The menu screen is displayed.

- *You can also display the menu screen by touching [All Menus] on home screen.*

2 **Touch your desired media source.**

Inputting Text (Keypad)

The displayed screens and procedures may vary slightly depending on the function used, but the basic input method is the same.

① Text Entry Box

② Current Keypad

③ Shift Key

④ Delete Key

Press once to delete the last character.
Press and hold to quickly delete several characters.

⑤ Hide the Keypad

⑥ Numeric Keypad

Press to display the numeric keypad.

⑦ Alpha Keypad

Press to display the alphabetic keypad

⑧ Space Key

⑨ Enter Key

Information Display on the Status Bar

Displays the date and time along with the system status shown by the various icons to the right of the clock.
The icons in the following table indicate the various types of system status details and events.

① Goes to the Home Screen.
② Clock
You can switch between the 12 hour display and 24 hour display options.
For details on clock display settings, refer to "Setting the Clock Display" (page 75).
③ Battery level of connected Bluetooth device.

Battery Level	No Battery	Level 1	Level 2	Level 3	Level 4	Level 5
Icon						

This feature may not be supported for some Bluetooth devices.
The system will sound an alarm when the battery level decreases by one level.
④ Enabled when Bluetooth device is connected and connection is set to ON. Disabled when disconnected or connection is set to OFF.
: Bluetooth connection to audio device
: Bluetooth connection to Handsfree Phone Blinks while reconnecting.
⑤ Signal strength of connected Bluetooth device.
This feature becomes enabled when Bluetooth setting is ON.

	No Service	1	2	3	4	5	6
Icon							

Home Screen

Touch .

① Navigation Widget

When the Navi widget is booting, the clock is displayed on the screen while the Navi widget is being prepared. Once preparation is complete, the Navi widget is displayed.

② AV Widget

Displays brief information of radio or media currently playing. Touch the area to move to the media screen currently playing.

③ All Menus

Shows all of the items in the system menu.

④ Setup

⑤ My Menu

Moves to the My Menu screen.
Add your Favorite menus to have quick and easy access.

- *The NAVI widget is displayed when a NAVI SD card is inserted.*

Adding Your Favorite Menu Items to My Menu

1 **In the Home screen, touch [My Menu] → [Edit].**

2 **From the Edit My Menu screen, select menu items from the list on the right, then drag and drop them to the desired place on the left.**

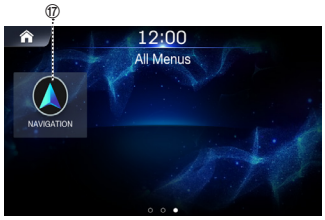
- *Up to eight items can be added to My Menu.*

All Menus Screen

The Menu screen displays all of the available modes that can be selected to operate the system.

Press the All Menus button.
The menu screen is displayed.

■ **Menu Screen example**



① Radio button
Displays the Radio screen. (page 18)

② SiriusXM button
Displays the SiriusXM screen. (page 22)

③ DISC button
Displays the DISC screen. (page 28)

④ Bluetooth Audio button
Displays the Bluetooth Audio screen. (page 53)

⑤ My Menu button
Displays the My Menu screen. (page 11)

⑥ Apple CarPlay
Displays the Apple CarPlay screen. (page 49)

⑦ Android Auto
Displays the Android Auto screen. (page 49)

⑧ Phone button
Displays the Phone menu screen. (page 56)

⑨ USB Music button
Displays the USB Music screen. (page 40)

⑩ USB Video button
Displays the USB Video screen. (page 43)

⑪ USB Image button
Displays the USB Image screen. (page 46)

⑫ Camera button
Displays the Camera screen. (page 86)

⑬ HDMI
Displays the HDMI screen.(page 50)

⑭ AUX button
Displays the AUX screen. (page 51)

⑮ iPod button
Displays the iPod screen. (page 47)

⑯ Setup button
Displays the Setup screen. (page 64)

⑰ Navigation button
Displays the Navigation screen.
Refer to the Map Manual for more information.

Radio/HD Radio

The unit can receive HD Radio signals based on digital radio broadcast standards, in addition to analog radio broadcasts using RBDS.
HD Radio signals are broadcast in the service areas of the current AM/FM broadcasters where they provide digital audio distribution and data services. This unit receives the above digital broadcasts for your highquality sound enjoyment.
Depending on the signal strength in TUNER mode, the unit will automatically switch between digital signals if they can be received, and analog radio using RBDS if digital signals cannot be received. For details, please see “HD Radio On/Off”.

- *RBDS mode is only available during FM broadcast reception.*

Radio/HD Radio Main Screen

<When HD Radio is turned on>

<When HD Radio is turned off>

① Radio Band Tab
If you select the desired tab, the selected Radio mode will operate.

② Menu (Sound Settings)

③ Displays the Previous Screen

④ Album Art
Image priority : 1st Album Art, 2nd Channel image, 3rd Default image

⑤ Information Display
Displays information such as frequency, station name, preset number, live mode, HD radio channel, song title, artist name and album title

⑥ Decreases Frequency

⑦ Displays the preset screen

⑧ Changes Tuning Mode
Switches the tuning mode used to search radio Broadcasts between Manual Tune, Preset, or DX Seek.

⑨ Displays the list screen

⑩ HD Radio

⑪ Increases Frequency

Listening to FM/AM Radio

1 **Press the All Menus button → touch [Radio]. Or In the Home screen, touch [All Menus] → [Radio].**

2 **Press the desired band tab.**

3 **Press and select the desired tuning mode.**

- *DX Seek: both strong and weak broadcasts will be tuned in.*
- *Manual: the frequency is manually tuned in steps.*
- *Preset: directly switches preset broadcasts.*

4 **Press |◀◀ or ▶▶| and change the desired Broadcast.**

Selecting Radio Broadcast

■ **Selecting Broadcasts from Presets**

1 **Touch .**

2 **From the presets, select the Broadcast you want to listen to.**

■ **Selecting Broadcast from List**

1 **Touch .**

2 **From the lists, select the frequency you want to listen to.**

FM/AM lists are manually updated by pressing .

Saving Radio Broadcast to Presets

This feature is used to manually save the current broadcast to the desired preset number.

1 **Tune the Broadcast you wish to save.**

2 **Touch .**

3 **Press and hold the [Press and Hold] area or the desired number area you want to save.**

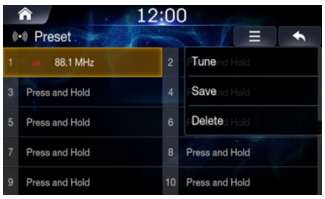
A total of 20 presets can be stored in the preset memory for each band (FM, AM).

- *In the List screen, you can also save the channel to preset by pressing .*
- *If a preset memory has already been set in the same preset number, it will be cleared and the new broadcast will be memorized.*
- *In the Presets screen, you can delete the saved presets. Press [Menu] → [Delete all].*

Using Preset Menu

This feature is used to manually save the current broadcast to the desired preset number.

1 **Press and hold the preset list you want to edit.**



2 **Select the desired option.**

- *[Tune]: Plays the selected preset frequency.*
- *[Save]: Overwrites the preset frequency with the current broadcast frequency.*
- *[Delete]: Clears the selected preset.*

Using Ballgame Mode (HD Radio™ Mode only)

In live broadcast, such as sportscasts, etc., a time lag occurs between digital sound and analog sound. Therefore, when live broadcasts are received, a time lag between the real broadcast may occur and the unit can change to analog broadcasting automatically.

The LIVE Indicator is displayed when Ballgame Mode is set to “On.”

- *When receiving a live broadcast while the Ballgame mode is on, the LIVE indicator is highlighted.*

HD Radio On/Off

1 **Touch HD.**

2 **Select [On] to display HD Radio stations.**
HD Radio Reception & Channel number will be displayed.

3 **If you want to turn off HD Radio, Press [HD Radio] → [Off].**
You can save a total of 20 stations or broadcasts as presets for each band (FM, AM).

- *HD Radio is supported in USA only.*

Sound Settings

Touch ☰ → [Sound Settings]
For details, refer to the “Sound” on the page 68.

About the Feature Logos

Digital Sound

- *HD Radio broadcasts deliver crystal clear digital audio quality to consumers.*

Program Info

- *Program Info provides song name, artist, station ID, and other relevant data to the receiver.*

HD2/HD3

- *Adjacent to traditional main stations are HD2/HD3 Channels, providing new original* formats on the FM dial.

Artist Experience

- *Visual images, such as album art and station logos, of over-the-air broadcasts from HD Radio stations.*

SiriusXM

■ About SiriusXM Satellite Radio

Only SiriusXM® brings you more of what you love to listen to, all in one place. Get over 140 channels, including commercial--free music plus the best sports, news, talk, comedy and entertainment. Welcome to the world of satellite radio. A SiriusXM Vehicle Tuner and Subscription are required. For more information, visit www.siriusxm.com.

- *The SiriusXM Satellite Radio controls on this unit are available only when a SiriusXM Tuner is connected.*
- *Refer to the SiriusXM Tuner User Guide for details on how to install the SiriusXM Tuner.*

■ Activating your SiriusXM Subscription

After installing your SiriusXM Connect Vehicle Tuner and antenna, power on your system and select SiriusXM mode. You should be able to hear the SiriusXM preview channel on Channel 1. If you cannot hear the preview channel, please check the installation instructions to make sure your SiriusXM Connect tuner is properly installed.

After you can hear the preview channel, tune to Channel 0 to find the Radio ID of your tuner. In addition, the Radio ID is located on the bottom of the SiriusXM Connect Vehicle Tuner and its packaging. You will need this number to activate your subscription. Write the number down for reference.

- *The SiriusXM Radio ID does not include the letters I, O, S or F.*

In the USA, you can activate online or by calling SiriusXM Listener care:

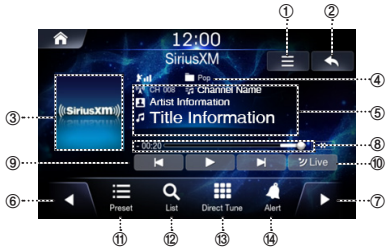
- *Visit www.siriusxm.com/activatenow*
- *Call SiriusXM Listener Care at 1-866-635-2349*

For Canadian Subscriptions, please contact:

- *Visit www.siriusxm.ca/activatexm*
- *Call SiriusXM Customer Care at 1-888-539-7474*

As part of the activation process, the SiriusXM satellites will send an activation message to your tuner. When your radio detects that the tuner has received the activation message, your radio will display: "Subscription Updated". Once subscribed, you can tune to channels in your subscription plan. Note, the activation process usually takes 10 to 15 minutes, but may take up to an hour. Your radio will need to be powered on and receiving the SiriusXM signal to receive the activation message.

SiriusXM Radio Main Screen



① Menu

② Displays the Previous Screen

③ Album Art

Displays the image that represents the currently received station When album art is not available, the channel logo or the SiriusXM logo will be displayed.

- *Compatible with SXV200 or later tuner models. Not all music channels contain album art images.*

④ Indicators

Satellite Antenna Signal, Preset Number, Fav, Live

⑤ Information Display

Displays information such as channel name, channel number, category/artist/title/content info.

⑥ Channel Tune - Down

⑦ Channel Tune - Up

⑧ Time Difference

Displays the time difference between the live broadcast time and actual playing time.

⑨ Control Panel

Enables use of Skip Backward (by segment) / Skip Forward (by segment) Play/Pause/Rewind/Fast-forward features.

⑩ Changes to the program currently being broadcast.

⑪ Displays the preset screen

⑫ Displays the list screen

⑬ Direct Tune

⑭ Alert

Listening to SiriusXM Radio

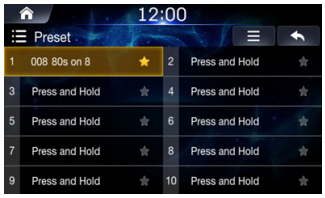
1 **Press the All Menus button → Press [SiriusXM].**
Or In the Home screen, Press [All Menus] → [SiriusXM].

2 **Press ◀| or |▶ and change the desired channel.**

Selecting Channels

■ Selecting Channels from Presets

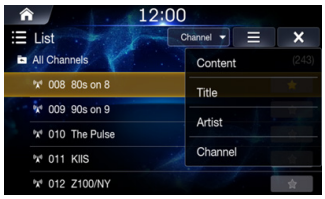
1 **Touch .**



2 **From the presets, select the channel you want to listen to.**

■ Selecting Channel from List

1 **Touch .**



2 **From the lists, select the desired channel you want to listen to.**

Use the pull down menu to view list by Content, Title, Artist, or Channel.

■ Selecting Channels through Direct Tune

1 **Touch .**

2 **Enter the desired channel number.**

3 **From the search result, select the channel you want to listen to.**

Parent Lock

The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. When enabled, the Parental Control feature requires you to enter a pass code to tune to the locked channels. Information on setting up the pass code and locking channels can be found below.
When a locked channel is selected, “Channel <xxx> Locked” is displayed and then the numeric keypad appears for you to enter the passcode.

Enter the 4-digit passcode you set in [Edit Code].
The initial number is 0000.

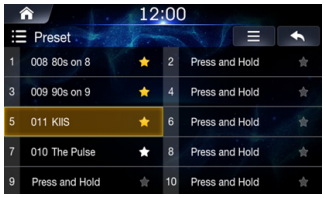
- *For information on setting the Parent Lock Passcode, see “Setting Parent Lock” (page 80).*
- *If you enter the wrong passcode, “Incorrect Pass Code entered” is displayed.*
- *After entering the correct passcode, you can access all locked channels without entering the passcode again until the unit is powered off and then back on.*
- *The passcode is reset to '0000' upon restoring factory default settings.*
- *If there are no inputs for 10 seconds, the "Incorrect Passcode is entered" popup is displayed on the screen.*

Saving Channel to Presets

This feature is used to manually save the current channel to the desired preset number.

1 **Tune the channel you wish to save.**

2 **Touch .**



3 **Press and hold the [designated] area or the desired number area you want to save.**

A total of 20 presets can be stored in the preset memory for each band.

: none

: saved channels

: saved Smart Favorites channels (SVX200: number 1 to 6)

- *In the List screen, you can also save the channel to preset by pressing .*
- *If a preset memory has already been set in the same preset number, it will be cleared and the new broadcast will be memorized.*
- *In the Presets screen, you can delete the saved presets. Press [Menu] → [Delete all].*

Smart Favorites

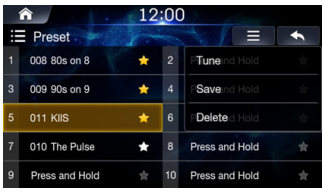
SiriusXM Vehicle Tuner automatically buffers the broadcast audio content of the Smart Favorites channels in the background for your Preset channels.
SVX200: up to 6
SXV300: up to 20

Smart Favorites allow you to rewind and replay up to 60 minutes of any missed programming from your current Band of Preset channels.
Music channels that are Smart Favorites also support TuneStart™

Using Preset Menu

This feature is used to manually save the current station to the desired preset number.

1 **Press and hold the preset list you want to edit. A menu allowing to you to tune, save or delete the preset is displayed.**



2 **Select the desired option.**

- *[Tune]: Plays the selected preset frequency.*
- *[Save]: Overwrites the preset frequency with the current broadcast frequency.*
- *[Delete]: Clears the selected preset.*

Channel List

This feature is used to search all channels using the sorting feature.

1 **Touch .**

2 **Select the desired sort.**

3 **From the lists, select the desired channel you want to listen to.**

Use the pull down menu to view list by Content, Title, Artist, or Channel.

- *In the List screen, you can save the channel to preset by pressing .*
- *If you want to display current channel, Press [Menu] → [Show Current Channel].*

Category

This feature is used to search channels within the desired category.

1 **Touch ☰ → [Category].**
Displays the category screen.

2 **Select the desired category. The following list screen will be displayed.**

- *If you want to display current category, touch [Menu] → [Show Current Channel].*

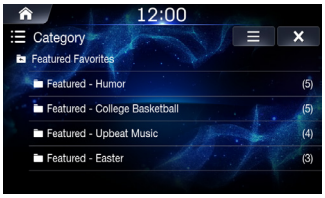
3 **Press the current category title in the list screen to return to the Category screen.**

Featured Favorites

When Featured Favorites have been updated, the following screen will be displayed.

Featured Favorites are groups of channels that are created by the SiriusXM Programming department allowing you to discover new channels.
Featured Favorite channels are dynamic and can change often, allowing you to discover new channels.
Featured Favorites function is always activated.
Information on accessing Featured Favorites can be found below.

1 **Press [Category] → [Featured Favorites].**
Featured Favorites categories are displayed after the Featured Favorites list is downloaded from SiriusXM.



2 **Select the desired list.**

TuneStart™

Use TuneStart to play music content from its beginning on programmed preset Channel. The user can, therefore, enjoy the full track (i.e. song) rather than hearing what's left from its current live playback position.

1 **Touch [≡].**

2 **Check the [Tune Start] box to turn the feature on.**

3 **Press [Preset] to begin Tune Start mode.**
The Replay mode will be started.

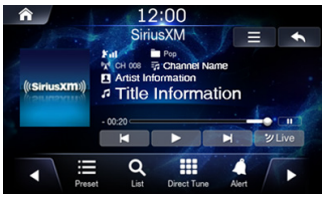
4 **Touch [Preset] and select the desired preset channel.**

During Tune Start mode, displays the time difference between the live broadcast time and actual playing time.

- *Pressing ⏮ (Track Up) or ⏭ (Track Down) will move a track up/down.*
- *To fast reverse, Press and hold ⏮ (Track Down) and to fast forward, Press and hold ⏭ (Track Up).*
- *Tune Start only applies to the first entry of track. If the same track is playing when it is changed to another channel and returned, change it to the Live state without changing to the Tune Start state.*
- *This function is available only when SiriusXM Tuner-SXV200 is connected or later is connected. When Tuner-SXV200 is connected, this function is available only for Preset channels 1-6. When Tuner-SXV300 is connected, this function is available for all Preset channels.*
- *Preset Channels that play other than music-type content will start playing the channel from the current live play point when selected.*

Replay™

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



1 **Press [II] to pause the channel content.**

2 **Press [▶] to resume the channel content.**

3 **Press [Live] to exit Replay and listen to live content.**

- *To fast reverse, Press and hold ⏮ and to fast forward, Press and hold ⏭.*
- *Pressing ⏮ or ⏭ will move a track up/down.*
- *If you change channels while in Replay mode, the contents of the replay buffer are emptied.*
- *The allowed recording time differs depending on the SiriusXM Tuner box.*
- *Replay mode will end automatically when the time difference between the live broadcast time and actual playing time becomes 00:00.*

Saving Song/Artist Alert

This feature is used to add song and artist alerts.

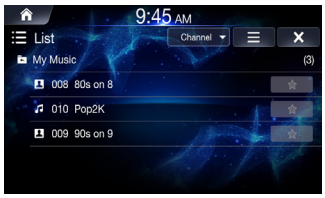
While listening to SiriusXM Satellite Radio, you can be alerted when your favorite songs or artists are playing on other channels. A popup is displayed when a channel starts playing a song or artist saved.

1 **Touch .**

2 **Check the [Artist Name] or [Song Name] box to add the current song or artist to the list.**

3 **A popup is displayed when a channel starts playing a song or artist saved.**

- *Tune: plays the corresponding channel.*
- *Active Alerts: displays My Music of the corresponding category.*
- *Dismiss: displays the previous screen.*



- *Up to 50 alerts can be saved to Favorites.*
- *"Artist Alerts and Song Alerts Not Available" appears on the display if both the artist and song is not available to be stored.*
- *"Artist (Song) Alerts Not Available" is displayed if just the artist (song) is not available to be stored.*
- *"Artist (Song) Saved" is displayed if this Artist (Song) was previously stored.*
- *When you try to save new Alert, but there is not enough memory space, "Alert Memory Full. Do You want to replace?" is displayed. If you select "YES," then the list of stored alert items is displayed. Press the item that you want to replace.*
- *For details, refer to "Setting Favorite Sports Team Alerts" on page 79.*

Editing Song/Artist Alert

This feature is used to search channels within the desired category.

1 **Touch → [Edit Alert].**

2 **Check/uncheck the [Artist Name] or [Song Name] box to turn the alert on/off.**

3 **Press [Del] to delete the alert.**

Sound Settings

Touch → [Sound Settings]

For details, refer to the "Sound" on the page 68.

SiriusXM User Data Reset

Press [Setup] → [General] → [Factory Reset].

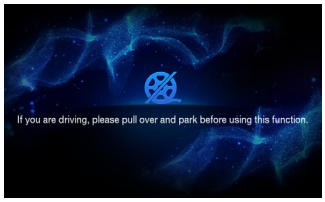
This feature is used to reset SiriusXM Data.

Disc

⚠ WARNING

- *It is dangerous for the driver to watch the DVD/Disc, Video/ Disc Image while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.*
- *Install the unit correctly so that the driver cannot watch DVD/ Disc Video/Disc Image unless the vehicle is stopped, and the parking brake is applied.*
- *If the unit is not installed correctly, the driver will be able to watch DVD/Disc Video/Disc Image while driving the vehicle and may be distracted and could cause an accident. The driver or other people could be severely injured.*

- *Video/Image are not available while driving. (Because of traffic regulations, videos are only available when your vehicle is parked.)*



⚠ Caution

- *Not all functions will operate for every Disc. See the individual Disc's instructions for details on the features supported.*
- *Fingerprints on a disc may adversely affect playback. If a problem occurs, remove the disc and check for fingerprints on the playback side. Clean the disc if necessary.*
- *Turn on the car ignition before using this device. Do not operate this system for long periods of time with the ignition turned off as such operations may lead to battery discharge.*
- *Video CDs cannot be played.*

Supported Disc Formats

Supported Disc Formats	Disc Logo	Description
DVD Video		Displays discs with region codes of ALL or the corresponding region code.
Audio CD		Plays normal music CDs.
CD-R/RW		Plays discs recorded with music titles, WMA, and MP3 files.

DVD Region Codes

The DVD Player and DVD discs are assigned region codes. DVDs without the proper region codes as supported by this device are not supported. Check the table below for more information on DVD region codes.

Region code	Area
1	United States, Canada
2	Europe, Middle East, South Africa
3	South Korea
4	Latin America
5	Russia, Africa
6	Mainland China
All	Can be played in all regions

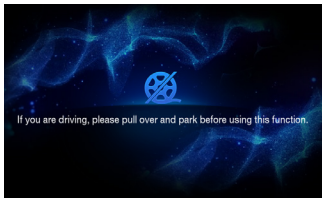
Disc Video

You can play Music/Video/Image files stored in a disc on the internal player of this system.

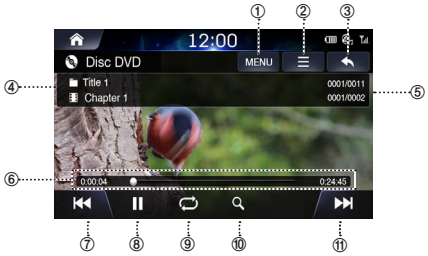
⚠ WARNING

- *It is dangerous (and illegal in many countries) for the driver to watch video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.*
- *Install the unit correctly so that the driver cannot watch video unless the vehicle is stopped, and the parking brake is applied.*
- *If the unit is not installed correctly, the driver will be able to watch video while driving the vehicle and may be distracted from looking ahead and cause an accident. The driver or other people could be severely injured.*

- Disc Video mode is not available while driving. (Because of traffic regulations, videos are only available when your vehicle is parked.)



Disc Video Main Screen



① **Menu (Top menu, Sub menu**
② **Main Menu**
③ **Displays the Previous Screen**
④ **Chapter and Title Information**
⑤ **Chapter and Title Index**
⑥ **Play Time and Play Bar**
⑦ **Previous Chapter**
⑧ **Play/Pause**
⑨ **Repeat**
⑩ **Search**
⑪ **Next Chapter**

Playing Disc Video Files

1 **Press the All Menus button → touch [DISC]. Or in the Home screen, touch [All Menus] → [DISC].**

2 **Touch ⏮ or ⏭ and select the desired file.**

3 **Touch ▶ to play Disc video.**
While playing, touch ⏸ to pause Disc video.

Viewing in Full Screen

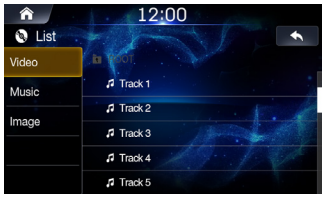
Touch the screen in a non-menu area to change to full screen.
If you want to display the menu, touch the screen.

- *If there are no operations for 10 seconds, the menu will automatically disappear.*

Searching Disc Video Files

You can search the files in the List screen.

1 **Touch to display Disc File list screen.**



2 **Touch [Video] and search the desired file.**

3 **Touch the desired file to play.**

Fast-Forwarding or Rewinding a File

Using ⏮ or ⏭.

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at high speed.

2 **Release ⏮ or ⏭ to play the file at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch to toggle between the modes.

- *Folder : repeats the files in the current folder.*
- *One File : repeats play of currently playing file.*
- *All : repeats the all files in the Disc.*

Shuffle

Touch to toggle between the modes.

- *Off : turns the shuffle feature off.*
- *On : plays all files in random order.*

Sound Settings

Touch → [Sound Settings]
For details, refer to “Sound Settings” on page 68.

Visual Settings

Touch → [Visual Settings]
For details, refer to “Visual Settings” on page 73.

Supported Disc Video Format

Category	Description
File Format	AVI, MPG, FLV,DAT, VOB, MP4, MOV, OGG, ASF
Extensions	avi, mpg, mpeg,dat, flv, vob, mp4, mov, ogg, asf
Video Codec	MP4V, MPEG-1, MSVC, MPEG-1/MPEG-2, H.263,
Video	720*480/576 (30fps)
Resolution	Response Sampling Rate : 8,11.025, 16,22.05, 24, 32, 44.1, 48 KHz. Response Bitrate : 45~500Kbps. (WMA : 8K~48KHz, 16kbps~320kbps)
Audio Codec	Dolby Digital(AC3),WMA/PCM/LPCM,AAC LC (2ch),MPEG-Audio,(MP1/MP2/MP3) LPCM, uLaw/aLaw, OGG, WMA
Subtitles	SMI
Unsupported files	1. Video with OGG 2. Audio formats other than Vorbis with OGG 3. Vorbis format in AVI

Disc Music

You can play music files stored in a disc on the internal player of this system.

Disc Music Main Screen

① **Displays the list screen**
② **Menu**
③ **Displays the Previous Screen**
④ **Disc Music Icon**
⑤ **Current Song no. / Total Song no.**
⑥ **Information Display**
⑦ **Play Time and Play Bar**
⑧ **Previous File**
⑨ **Play/Pause**
⑩ **Repeat**
⑪ **Shuffle**
⑫ **Scan**
⑬ **Next File**

Playing Disc Music Files

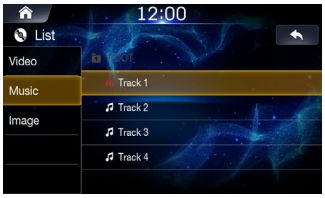
1 **Press the All Menus button → touch [DISC]. Or in the Home screen, touch [All Menus] → [DISC].**

2 **Touch ▶ to play Disc music.**
While playing, touch ❚❚ to pause Disc music.

Searching Disc Music Files

You can search the files in the List screen.

1 **Touch to display Disc File list screen.**



2 **Touch [Music] and search the desired file.**

3 **Touch the desired file to play.**

Fast-Forwarding or Rewinding a File

Using ⏮ or ⏭

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at high speed.

2 **Release ⏮ or ⏭ to play the file at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch 🔁 to toggle between the modes.

- *Folder 🔁 : repeats the files in the current folder.*
- *One File 🔁 : repeats play of currently playing file.*
- *All 🔁 : repeats the all files in the Disc.*

Shuffle

Touch 🔀 to toggle between the modes.

- *Off 🔀 : turns the shuffle feature off.*
- *On 🔀 : plays all files in random order.*

Sound Settings

Touch ☰ → [Sound Settings]
For details, refer to "Sound Settings" on page 68.

Supported Disc Music Format

Category	Description
File Format	MP3, WMA7, WMA8, WMA9
Extensions	mp3, wma
Bit rate	16kbps ~ 320 kbps
Sampling Rate	8K~ 48 KHz

Data CD – Image Disc

You can play Image files stored in a disc on the internal player of this system.

Disc Image Main Screen

① **Displays the list screen**
② **Menu**
③ **Displays the Previous Screen**
④ **Information Display**
⑤ **Current Image no. / Total Image no.**
⑥ **Previous File**
⑦ **Play/Pause**
⑧ **Repeat**
⑨ **Shuffle**
⑩ **Next File**

Playing Disc Image Files

1 **Press the All Menus button → touch [DISC]. Or in the Home screen, touch [All Menus] → [DISC].**

2 **Touch ⏮ or ⏭ and select the desired file.**

3 **Touch ▶ to play Disc Image.**
While playing, touch ⏸ to pause Disc image.

Viewing in Full Screen

Touch the screen in a non-menu area to change to full screen.
If you want to display the menu, touch the screen.

• If there are no operations for 10 seconds, the menu will automatically disappear.

Searching Disc Image Files

You can search the files in the List screen.

1 **Touch 🔍 to display Disc File list screen.**

2 **Touch [Image] and search the desired file.**

3 **Touch the desired file to play.**

Repeat

Touch to toggle between the modes.

- *Folder : repeats the files in the current folder.*
- *One File : repeats play of currently playing file.*
- *All : repeats the all files in the Disc.*

Shuffle

Touch to toggle the shuffle mode on or off.

- *Off : turns the shuffle feature off.*
- *On : plays all files in random order.*

Visual Settings

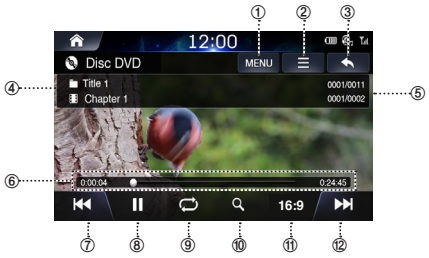
Touch → [Visual Settings]
For details, refer to the “Visual Settings” on the page 73.

Supported Disc Image Format

Category	Description
File Format	JPEG, PNG, GIF, BMP
Extensions	jpeg, png, gif, bmp

Disc DVD

Disc DVD Main Screen



① Menu (Top menu, Sub menu)
② Main Menu
③ Displays the Previous Screen
④ Chapter and Title Information
⑤ Chapter and Title Index
⑥ Play Time and Play Bar
⑦ Previous Chapter
⑧ Play/Pause
⑨ Repeat
⑩ Search
⑪ Screen ration (16 : 9 / 4 : 3 LB / 4 : 4 PS)
⑫ Next Chapter

Playing a DVD

1 **Press the All Menus button → touch [DISC]. Or in the Home screen, touch [All Menus] → [DISC].**

2 **Touch ⏮ or ⏭ or select the desired Chapter.**

3 **Touch ▶ to play a DVD.**
While playing, touch ⏸ to pause a DVD.

Viewing in Full Screen

Touch the screen in a non-menu area to view the DVD in full screen.

If you want to display the menu, touch the screen.

- *If there are no operations for 10 seconds, the menu will automatically disappear.*

Searching Chapters

1 **Touch .**

2 **Search the desired chapter.**

3 **Touch the desired chapter to play.**

Fast-Forwarding or Rewinding a Chapter

Using ⏮ or ⏭.

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at high speed.

2 **Release ⏮ or ⏭ to play the chapter at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch to toggle between the modes.

- *One Chapter : repeats play of currently playing chapter.*
- *All : repeats the all chapter in the current title.*
- *Disc : repeats the all title in the DVD.*

Changing Screen Ratio

Touch [16 : 9 / 4 : 3 LB / 4 : 4 PS] to toggle between the modes.

- *16 : 9: displays in 16:9 wide screen.*
- *4 : 3 LB: displays in 4:3 screen ratio.*
- *4 : 4 PS: displays in 4:4 screen ratio*

Using Top Menu

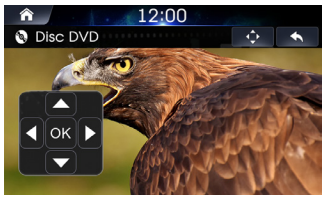
1 **Touch [Top Menu] to display Top Menu screen.**

2 **Touch the controller up/down/left/right directions to select the desired menu and touch Enter OK .**

- *The Top menu option can only be used within DVDs that support these features.*

Using Sub Menu

1 **Touch [Sub Menu] to display Top Menu screen.**



2 **Touch the controller in up/down/left/right directions to select the desired menu and touch OK .**

- *The Sub menu and DVD menu options can only be used within DVDs that support these features.*

Changing Subtitle Language

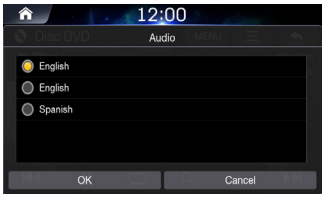
1 **Touch ☰ → [Subtitle].**

2 **Select the desired language.**

- *Supported caption languages may differ according to the DVD title.*

Changing Voice Language

1 **Touch ☰ → [Audio].**



2 **Select the desired language.**

- *Supported voice languages may differ according to the DVD title.*

Supported Disc DVD Format

Category	Description
File Format	AVI, MPG, FLV,DAT, VOB, MP4, MOV, OGG, ASF
Extensions	avi, mpg, mpeg,dat, flv, vob, mp4, mov, ogg, asf
Video Codec	MP4V, MPEG-1, MSVC, MPEG-1/MPEG-2, H.263,
Video	720*480/576 (30fps)
Resolution	Response Sampling Rate : 8,11.025, 16,22.05, 24, 32, 44.1, 48 KHz. Response Bitrate : 45~500Kbps. (WMA : 8K~48KHz, 16kbps~320kbps)
Audio Codec	Dolby Digital(AC3),WMA/PCM/LPCM,AAC LC (2ch),MPEG-Audio,(MP1/MP2/MP3) LPCM, uLaw/aLaw, OGG, WMA
Subtitles	SMI
Unsupported files	1. Video with OGG 2. Audio formats other than Vorbis with OGG 3. Vorbis format in AVI

Audio CD

You can play music files stored in a disc on the internal player of this system.

Audio CD Main Screen

① **Displays the list screen**
② **Displays the Previous Screen**
③ **Artwork Display**
④ **Current Song no. / Total Song no.**
⑤ **Information Display**
⑥ **Play Time and Play Bar**
⑦ **Previous Track**
⑧ **Play / Pause**
⑨ **Repeat**
⑩ **Shuffle**
⑪ **Scan**
⑫ **Next Track**

Playing An Audio CD

1 **Press the All Menus button → touch [DISC]. Or in the Home screen, touch [All Menus] → [DISC].**

2 **Touch ⏮ or ⏭ or select the desired track.**

3 **Touch ▶ to play Audio CD.**
While playing, touch ⏸ to pause Audio CD.

Searching Tracks

You can search the tracks in the List screen.

1 **Touch 🔍 to display Audio CD list screen.**

2 **Search the desired track.**

3 **Touch the desired track to play.**

Fast-Forwarding or Rewinding a Track

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at high speed.

2 **Release ⏮ or ⏭ to play the track at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch 🔁 to toggle between the modes.

- *One 🔂 : repeats play of currently playing track.*
- *All 🔁 : Repeats all of the tracks on the Audio CD.*

Shuffle

Touch 🔀 to toggle the shuffle mode on or off.

- *On 🔀 : plays tracks in the Audio CD in random order.*
- *Off 🔀 : turns the shuffle feature off.*

Scan

1 **Touch 🔄.**
The beginning part (approximately first 10 seconds) of all files within the current folder/category or the entire Audio CD are scanned.

2 **Touch [Scan] to stop scanning.**

- *Scan 🔄 : Scans all files within the USB.*
- *Folder Scan 🔄 Scans all files within the current folder*
- *Off : turns the scan feature off.*

Supported Audio CD Format

Category	Description
File Format	MP3, WMA7, WMA8, WMA9
Extensions	mp3, wma
Bit rate	16kbps ~ 320 kbps
Sampling Rate	8K~ 48 KHz

USB Music

You can play back music files (MP3/WMA/AAC/FLAC/OGG/APE/MP2) stored on a USB flash drive.

USB Music Main Screen

① **Displays the list screen**
② **Menu (Add to Playlist, Sound Settings)**
③ **Displays the Previous Screen**
④ **Artwork Display**
⑤ **Current Song no. / Total Song no.**
⑥ **Information Display**
⑦ **Play Time and Play Bar**
⑧ **Previous File**
⑨ **Play / Pause**
⑩ **Repeat**
⑪ **Shuffle**
⑫ **Scan**
⑬ **Next File**

Playing USB Music Files

1 **Press the All Menus button → touch [USB Music]. Or in the Home screen, touch [All Menus] → [USB Music].**

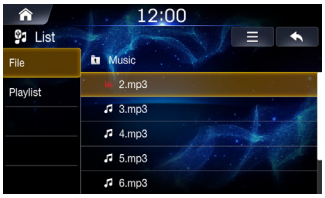
2 **Touch ⏮ or ⏭ and select the desired file.**
If play time is over 3 seconds, pressing ⏮ will play the current file from the beginning.

3 **Touch ▶ to play USB music.**
While playing, touch ❚❚ to pause USB music.

Searching USB Music Files

You can search the music file in the List screen.

1 **Touch 🔍 to display USB Music list screen.**



2 **Search the desired category and file.**
It is possible to search by File and Artist.

3 **Touch the desired file to play.**

- *In the List screen, it is possible to add current song to playlist by touching ☰ → [Add to Playlist].*

Fast-Forwarding or Rewinding a File

1 **While playing, touch and hold |◀◀ or ▶▶| .**

Touch and hold for more than 1 second to rewind or fast-forward at 4x speed. Keep touching to switch the speed to 20x.

2 **Release |◀◀ or ▶▶| to play the track at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch to toggle between the modes.

- *Category : repeats the files in the current category.*
- *Folder : repeats the files in the current folder.*
- *One File : repeats play of currently playing file.*
- *All : repeats the all files in the USB.*

Shuffle

Touch to toggle between the modes.

- *On : plays files in the current category in random order.*
- *Off : turns the shuffle feature off.*

Scan

1 **Touch .**

The beginning part (approximately first 10 seconds) of all files within the current folder/category or the entire USB are scanned.

2 **Touch [Scan] to stop scanning.**

- *Scan : Scans all files within the USB*
- *Folder Scan : Scans all files within the current folder*
- *Off : turns the scan feature off.*

Adding a Song to a Playlist

1 **While playing, touch ☰ → [Add to Playlist].**

2 **Select the desired songs and touch [Add].**

Sound Settings

Touch ☰ → [Sound Settings]
For details, refer to "Sound Settings" on page 68.

Supported USB Music Format

Category	Description
File Format	MP3, WMA, AAC, FLAC, OGG, APE, MP2
Extensions	mp3, wma, aac, flac, ogg, ape, mp2
MP3 File Specification	• Response Specification: MPEG AUDIO LAYER3 • Response Sampling Frequency : 32, 44.1, 48 (KHz) • Response Bitrate: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192 ,224 ,256 ,320 (Kbps) • ID3 v1.1, ID3 v2.x TAG and ID3 v1.0
WMA File Specification	• WMA9std, WMA10 Pro, and WMA9 Lossless • Response Sampling rate : Up to 48 KHz • Tag Information : WMA Tag Ver1.x
AAC File Specification	• MPEG2 AAC-LC, MPEG4 AAC-LC, HE-AAC v1, and AAC v2 • sampling rate : from 8kHz to 48kHz
FLAC File Specification	• The version shall be 1.3.0. • The corresponding sampling frequency is as follows : 8, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96 kHz • Tag Information : According to the Vorbis description, and the character code is UTF-8
OGG File Specification	• bit-rate : From Q-1 to Q10 • sampling rate : Up to 48 KHz
APE File Specification	• sampling rate - Up to 48 KHz
MP2 File Specification	• MPEG-1/2 layer 2, Mono/Stereo 16-384Kbps • bit-rate : CBR/VBR 16kbps ~ 384kbps • sampling rate : up to 48KHz
ID3/WMA TAG	• ID3 v1.0, v1.1, v2.2, v2.3, v2.4 • WMA v1.x
Detailed Specification	• Max Directory Layers: 15 layers • Max length of folder names and file names: 255Bytes • Characters supported for folder/file names: English and numbers • Max number of files recognized from all USB device(music + video + image): 5,000

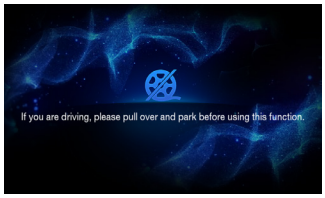
USB Video

You can play video files (AVI/MKV/MP4/ASF/WMV/MPG/3GP/MOV/FLV) stored in a USB flash drive on the internal player of this system.

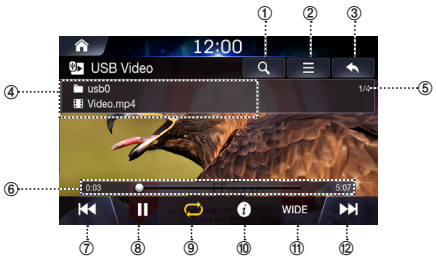
⚠ WARNING

- *It is dangerous (and illegal in many countries) for the driver to watch video while driving the vehicle. The driver may be distracted from looking ahead and an accident could occur.*
- *Install the unit correctly so that the driver cannot watch video unless the vehicle is stopped, and the parking brake is applied.*
- *If the unit is not installed correctly, the driver will be able to watch video while driving the vehicle and may be distracted from looking ahead and cause an accident. The driver or other people could be severely injured.*

- *USB Video is not available while driving. (Because of traffic regulations, videos are only available when your vehicle is parked.)*



USB Video Main Screen



① Displays the list screen
② Menu (Caption, Sound Settings, Visual Settings)
③ Displays the Previous Screen
④ Information Display
⑤ Current Video no. / Total Video no.
⑥ Play Time and Play Bar
⑦ Previous File
⑧ Play / Pause
⑨ Repeat
⑩ Info
⑪ Screen ratio (WIDE/NORMAL)
⑫ Next File

Playing USB Video Files

1 **Press the All Menus button → touch [USB Video]. Or in the Home screen, touch [All Menus] → [USB Video].**

2 **Touch ⏮ or ⏭ and select the desired file.**

- *If play time is over 3 seconds, pressing ⏮ will play the current file from the beginning.*

3 **Touch ▶ to play USB video.**
While playing, touch ⏸ to pause USB video.

Viewing in Full Screen

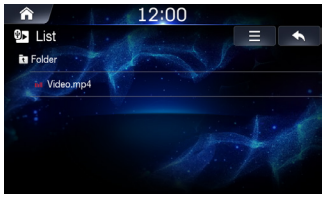
Touch the screen in a non-menu area to change to full screen.
If you want to display the menu, touch the screen.

- *If there are no operations for 10 seconds, the menu will automatically disappear.*

Searching USB Video Files

You can search the files in the List screen.

1 **Touch [🔍] to display USB Video list screen.**



2 **Search the desired folder and file.**

3 **Touch the desired file to play.**

Fast-Forwarding or Rewinding a File

Using ⏮ or ⏭.

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at 4x speed. Keep touching to switch the speed to 20x.

2 **Release ⏮ or ⏭ to play the file at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you want to play from.

Repeat

Touch [🔁] to toggle between the modes.

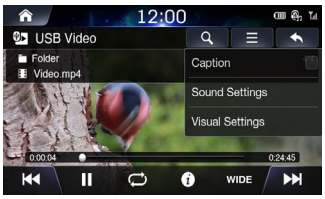
- *Folder 🔁 : repeats the files in the current folder.*
- *One File 🔂 : repeats play of currently playing file.*
- *All 🔁 : repeats the all files in the USB.*

Viewing File Info

Touch [Info].
The file information (File name, Resolution and Total Time) will be displayed.

Caption

1 **Touch [☰] → [Caption].**

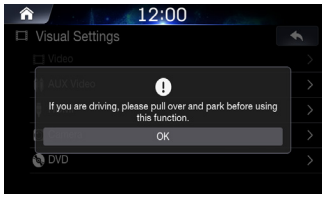


2 **Check the caption box to display caption on USB Video screen.**

Visual Settings

Touch ☰ → [Visual Settings]
For details, refer to "Visual Settings" on page 73.

- *Operating the Visual Settings is not available while driving. (Because of traffic regulations, videos are only available when your vehicle is parked.)*



Sound Settings

Touch ☰ → [Sound Settings]
For details, refer to "Sound Settings" on page 68.

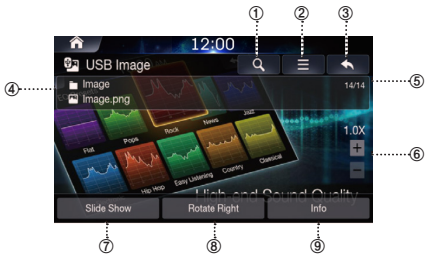
Supported USB Video Formats

Category	Description
File Format	AVI, MPEG
Extensions	avi, mpg, mpeg, mp4, wmv
Video Codec	MPEG4-ASP, MPEG4-AVC(H.264), AVS, VP8
Video Resolution	1920 x 1080 (WMV 9: Max 8Mbps, 1280x720, WMV 8: 640x480)
Audio Codec	MP3, OGG, WMA …(AC3 not supported)
Subtitles	SMI
Unsupported files	• Files not compatible with supported specifications • Modified files (files with modified file formats) • Transformed files (example: AVI files encoded with WMV video codec) • Files without indexes

USB Image

You can play music/Video/Image files stored in a disc on the internal player of this system.

USB Image Main Screen



① **Displays the list screen**
② **Screen Settings**
③ **Displays the Previous Screen**
④ **Information Display**
⑤ **Current Image no. / Total Image no.**
⑥ **Zoom in/out**
⑦ **Slide Show**
⑧ **Rotate Right**
⑨ **Info**

Playing USB Image Files

1 **Press the All Menus button → touch [USB Image]. Or in the Home screen, touch [All Menus] → [USB Image].**

2 **Swipe left or right to display and select the desired file.**

Viewing in Full Screen

Touch the screen in a non-menu area to change to full screen.
If you want to display the menu, touch the screen.

- *If there are no operations for 10 seconds, the menu will automatically disappear.*

Searching USB Image Files

You can search the files in the List screen.

1 **Touch to display USB File list screen.**

2 **Search the desired file.**

3 **Touch the desired file to play.**

- *To change list type, touch and select [List View] or Show Current Track.*

Screen Settings

Touch → [Screen Setting]
For details, refer to "Screen Settings" on page 74.

Supported USB Image Format

Category	Description
Supported Format	bmp, jpg, png, gif file

iPod Music

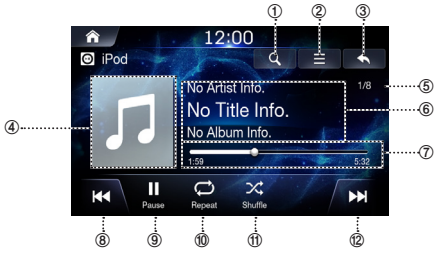
- *Before using this function, turn Apple CarPlay On and plug in your iPhone using the Lightning to USB Cable (Supplied with iPhone) to the unit (page 84).*
- *The use of genuine iPhone® cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)*
- *Within iPhones, streaming audio and iPod® control may occasionally conflict. If problems persist, remove the iPhone and connect again.*
- *If iPods® and Bluetooth® devices are connected simultaneously with the same iPhone, Bluetooth® audio will be unavailable.*
- *Some iPhones with unsupported communication protocols may not properly operate with the system.*

Supported iPhone Devices

- *While iPhone device work normally on iOS 12.4, they may not work normally on future iOS versions as their operation have not yet been tested.*

  - Supported iPhone: starting from generation 5, 5s, 5c, 6, 6+, ...

iPod Music Main Screen



① **Displays the list screen**
② **Menu**
③ **Displays the Previous Screen**
④ **Artwork Display**
⑤ **Current Song no. / Total Song no.**
⑥ **Information Display**
⑦ **Play Time and Play Bar**
⑧ **Previous File**
⑨ **Play/Pause**
⑩ **Repeat**
⑪ **Shuffle**
⑫ **Next File**

Playing iPod Music

1 **Press the All Menus button → touch [iPod Music]. Or in the Home screen, touch [All Menus] → [iPod Music].**

2 **Touch ⏮ or ⏭ and select the desired file.**
If play time is over 3 seconds, pressing ⏮ will play the current file from the beginning.

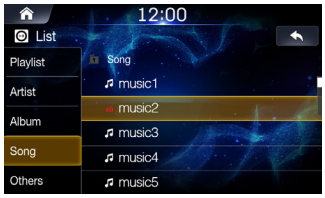
3 **Touch ▶ to play iPod music.**
While playing, touch ⏸ to pause iPod music.

The feature may operate differently depending on the iPod specification.

Fast-Forwarding or Rewinding a File

You can search the files in the List screen.

1 **Touch to display iPod Music list screen.**



2 **Search the desired category and file.**
It is possible to search by Playlist, Artist Album, song and others.

3 **Touch the desired file to play.**

Fast-Forwarding or Rewinding File

Using ⏮ or ⏭.

1 **While playing, touch and hold ⏮ or ⏭.**
Touch and hold for more than 1 second to rewind or fast-forward at 4x speed. Keep touching to switch the speed to 20x.

2 **Release ⏮ or ⏭ to play the file at normal speed.**

Using Play Bar

Drag or touch the slider along the play bar to jump to the point that you
want to play from.

Repeat

Touch to toggle between the modes.

- *One File : repeats play of currently playing file.*
- *All : repeats the all files in the USB.*
- *Off : turns the repeat feature off.*

Shuffle

Touch to toggle between the modes.

- *On : plays files within playlist in random order.*
- *Off : turns the shuffle feature off.*

Sound Settings

Touch → [Sound Settings]

For details, refer to "Sound Settings" on page 68.