

KENWOOD

DNX5350BT DNX535VBT DNX5350DAB

GPS NAVIGATION SYSTEM

Quick Start Guide

JVC KENWOOD Corporation



HDMI™

HIGH-DEFINITION MULTIMEDIA INTERFACE



Mobile High-Definition Link

DIVX™



You can update the system by connecting a USB device containing an update file.

For updating the system, visit <<http://www2.jvckenwood.com/cs/ce/>>.

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About the Quick start guide

This Quick Start Guide describes basic functions of this unit.

For functions not described in this Guide, refer to the Instruction Manual on the following website:

<http://manual.kenwood.com/edition/im382/>

To refer to Instruction manual, a PC loaded with Microsoft® Windows XP/Vista/7 or Mac OS X® 10.4 or later is required in addition to Adobe® Reader™ 7.1 or Adobe® Acrobat® 7.1 or later.

The Instruction manual is subject to change for modification of specifications and so forth. Be sure to download the latest edition of the Instruction manual for reference.

NOTE

- The panels shown in this guide are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual panels.
- In operation procedures, bracket shape indicates the key or button you should control.
 - < >: indicates the name of panel buttons.
 - []: indicates the name of touch keys

Precautions

⚠ WARNING

■ To prevent injury or fire, take the following precautions:

- To prevent a short circuit, never put or leave any metallic objects (such as coins or metal tools) inside the unit.
- Do not watch or fix your eyes on the unit's display when you are driving for any extended period.
- If you experience problems during installation, consult your Kenwood dealer.

■ Precautions on using this unit

- When you purchase optional accessories, check with your Kenwood dealer to make sure that they work with your model and in your area.
- You can select language to display menus, audio file tags, etc. See **Language setup (P.85)** in the Instruction Manual.
- The Radio Data System or Radio Broadcast Data System feature won't work where the service is not supported by any broadcasting station.
- The unit may not function properly if the connectors between the unit and front panel are dirty. Detach the front panel and clean the connector with a cotton swab gently, being careful not to damage the connector.

■ Precautions on battery

- Put the remote control in a place where it will not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.
- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.

■ Protecting the monitor

- Put the remote control in a place where it will

not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.

■ Protecting the monitor

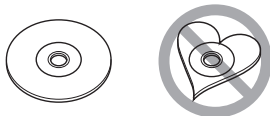
Put the remote control in a place where it will not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.

■ Lens fogging

When you turn on the car heater in cold weather, dew or condensation may form on the lens in the disc player of the unit. Called lens fogging, this condensation on the lens may not allow discs to play. In such a situation, remove the disc and wait for the condensation to evaporate. If the unit still does not operate normally after a while, consult your Kenwood dealer.

■ Precautions on handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean from the center of the disc and move outward.
- When removing discs from this unit, pull them out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.
- Discs that are not round cannot be used.



- 8-cm (3 inch) discs cannot be used.
- Discs with coloring on the recording surface or discs that are dirty cannot be used.
- This unit can only play the CDs with



This unit may not correctly play discs which do not have the mark.

- You cannot play a disc that has not been finalized. (For the finalization process see your writing software, and your recorder instruction manual.)

■ Acquiring GPS signal

The first time you turn on this unit, you must wait while the system acquires satellite signals for the first time. This process could take up to several minutes. Make sure your vehicle is outdoors in an open area away from tall buildings and trees for fastest acquisition.

After the system acquires satellites for the first time, it will acquire satellites quickly each time thereafter.

■ Cleaning the Unit

If the front panel of this unit is stained, wipe it with a dry soft cloth such as a silicon cloth. If the front panel is stained badly, wipe the stain off with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

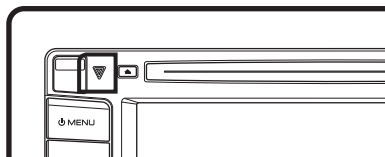
⚠ CAUTION

- Applying spray cleaner directly to the unit may affect its mechanical parts. Wiping the front panel with a hard cloth or using a volatile liquid such as thinner or alcohol may scratch the surface or erase screened print.

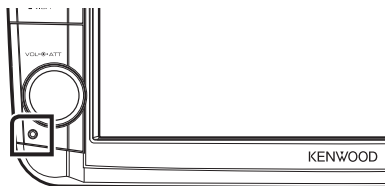
■ How to reset your unit

If the unit fails to operate properly, press the Reset button. The unit returns to the factory settings.

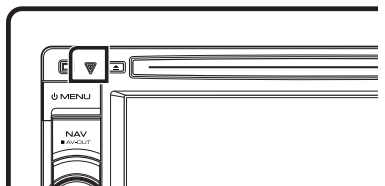
DNX5350BT



DNX535VBT



DNX5350DAB



🔧 NOTE

- Disconnect the USB device before pressing the <Reset> button. Pressing the <Reset> button with the USB device connected can damage the data stored in the USB device. For how to disconnect the USB device, see **How to Play Music (P.16)**.
- When the unit is turned on after resetting, the Initial SETUP screen appears. See **First Step (P.6)**.

Safety Precautions and Important Information

Read this information carefully before starting to operate the Kenwood Car Navigation System and follow the instructions in this manual. Neither Kenwood nor Garmin shall be liable for problems or accidents resulting from failure to observe the instructions in this manual.

⚠ WARNING

Failure to avoid the following potentially hazardous situations could result in an accident or collision resulting in death or serious injury.

When navigating, carefully compare information displayed on the navigation system to all available navigation sources, including information from street signs, visual sightings, and maps. For safety, always resolve any discrepancies or questions before continuing navigation.

Always operate the vehicle in a safe manner.

Do not become distracted by the navigation system while driving, and always be fully aware of all driving conditions. Minimize the amount of time spent viewing the screen of the navigation system while driving, and use voice prompts when possible.

Do not enter destinations, change settings, or access any functions requiring prolonged use of the navigation system controls while driving. Stop your vehicle in a safe and legal manner before attempting such operations.

Keep the system volume at a low enough level to be able to hear outside noises while driving. If you can no longer hear outside noises, you may be unable to react adequately to the traffic situation. This may cause accidents.

The navigation system will not display the correct current position of the vehicle the first time it is used after purchase, or if the vehicle battery is disconnected. GPS satellite signals will soon be received, however, and the correct position will be displayed.

Be careful of the ambient temperature. Using the navigation system at extreme temperatures can lead to malfunction or damage. Also note that the unit can be damaged by strong vibration, by metal objects, or by water getting inside the unit.

⚠ CAUTION

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

The navigation system is designed to provide you with route suggestions. It does not reflect road closures or road conditions, weather conditions, or other factors that may affect safety or timing while driving.

Use the navigation system only as a navigational aid. Do not attempt to use the navigation system for any purpose requiring precise measurement of direction, distance, location, or topography.

The Global Positioning System (GPS) is operated by the United States government, which is solely responsible for its accuracy and maintenance. The government system is subject to changes that could affect the accuracy and performance of all GPS equipment, including the navigation system. Although the navigation system is a precision navigation device, any navigation device can be misused or misinterpreted and, therefore, become unsafe.

IMPORTANT INFORMATION

■ Vehicle Battery Preservation

This navigation system can be used when the ignition key is turned to ON or ACC. To preserve the battery, however, it should be used with the engine running whenever possible. Using the navigation system for a long time with the engine switched off can cause the battery to run down.

■ Map Data Information

One of the goals of Garmin is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify in product literature and copyright messages displayed to the consumer. Virtually all data sources contain some inaccurate or incomplete data. In some countries, complete and accurate map information is either not available or is prohibitively expensive.

First Step

Various setup screens appear automatically before using.

Initial setup

When you first turn on the unit, the screen of the configuration setting will appear.

1 Turn the ignition key of your car to ACC.

The unit is turned on.

Initial SETUP screen appears.

2 Touch the corresponding key and set the value.



3 Touch [Finish].

NOTE

- "Initial setup" also appears when the unit is reset.

Locale

Select the country for the navigation system.

The language, the distance unit, and the gasoline unit are set.

After setting, touch [Enter].

Language

Select the language used for the control screen and setting items. Default is "British English (en)" for models with region code 2/3/4 and "Chinese" for model with region code 6. (Instruction Manual P.85)

After setting, touch [Enter].

Color

Set the screen and button illumination color. You can select whether to perform color scan and adjust scanning color. (Instruction Manual P.89)

After setting, touch [↵].

Camera

Set the parameters for the camera. (Instruction Manual P.92)

After setting, touch [↵].

■ iPod/iPhone connection setup

When you first select iPod as a source, the setting screen of the iPod/iPhone connection will appear.

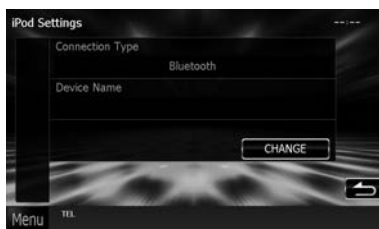
1 Touch [Menu] on any screen.

Top Menu screen appears.

2 Touch [iPod] in the Top Menu screen.

iPod connection setup screen appears.

3 Touch [CHANGE].



Select the way of iPod/iPhone connection. For the details, refer to "iPod/iPhone connection setup" (P.56) in the Instruction Manual.

NOTE

- For the details of the necessary cable and adapter to connect with iPod/iPhone, refer to "iPod/iPhone connection" (P.35).
- When you select "HDMI + BT" or "Bluetooth", Bluetooth device selection screen will appear. Select the iPod/iPhone to be connected.



If a connectable Bluetooth device is not displayed, touch [Search] and do the pairing of the devices.

- "iPod connection setup" also appears when the unit is reset.

■ Application link setup

When you first select Apps as a source, the setting screen for the connection with the device installed the apps will appear.

1 Touch [Menu] on any screen.

Top Menu screen appears.

2 Touch [Apps] in the Top Menu screen.

Application link setup screen appears.

3 Touch [CHANGE].



Select the way to connect with the device installed the apps. For the details, refer to "Application link setup" (P.58) in the Instruction Manual.

NOTE

- For the details of the necessary cable and adapter to connect with iPod/iPhone and Android, refer to "iPod/iPhone connection" (P.35) and "Android connection" (P.35).
- When you select "HDMI + BT", "HDMI/MHL + BT" or "Bluetooth", Bluetooth device selection screen will appear. Select the device to be connected.

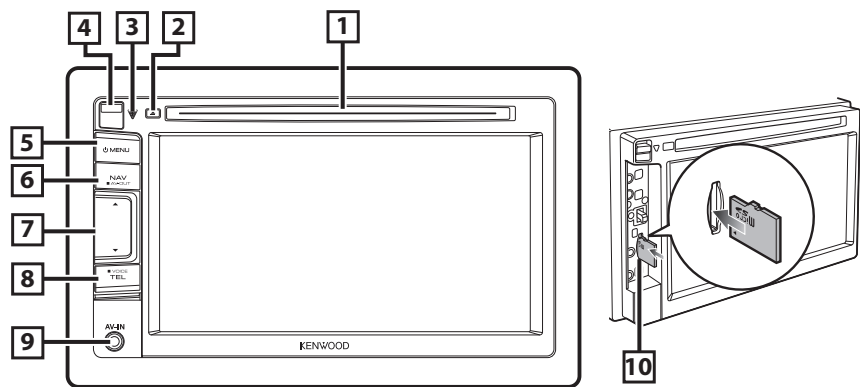


If a connectable Bluetooth device is not displayed, touch [Search] and do the pairing of the devices.

- "Application link setup" also appears when the unit is reset.

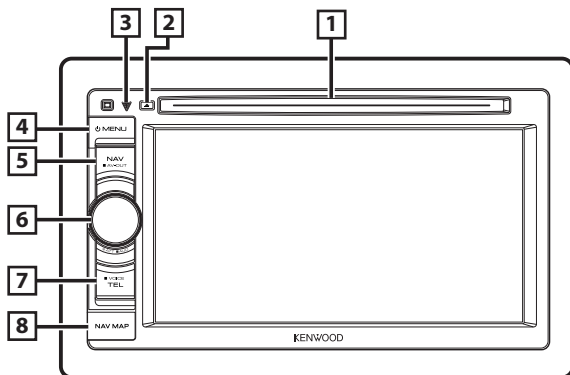
Functions of the Buttons on the Front Panel

■ DNX5350BT



No.	Name/Motion
1	Disc insert slot <ul style="list-style-type: none"> A slot to insert a disc media.
2	▲ <ul style="list-style-type: none"> Ejects the disc. Pressing for 1 second ejects the disc forcibly.
3	▽ (Reset) <ul style="list-style-type: none"> If the unit or the connected unit fails to operate properly, the unit returns to factory settings when this button is pressed (Instruction Manual P.113). If the Security Indicator (SI) function is turned on, this indicator flashes when the panel is detached (Instruction Manual P.87).
4	Release key <ul style="list-style-type: none"> Detaches the part of front panel. See Detaching/Attaching the faceplate and insert a SD Card (P.12).
5	MENU <ul style="list-style-type: none"> Displays the Top Menu screen (Instruction Manual P.18). Pressing for 1 second turns the power off. When the power off, turns the power on.
6	NAV <ul style="list-style-type: none"> Displays the navigation screen. Pressing for 1 second switches AV out sources.

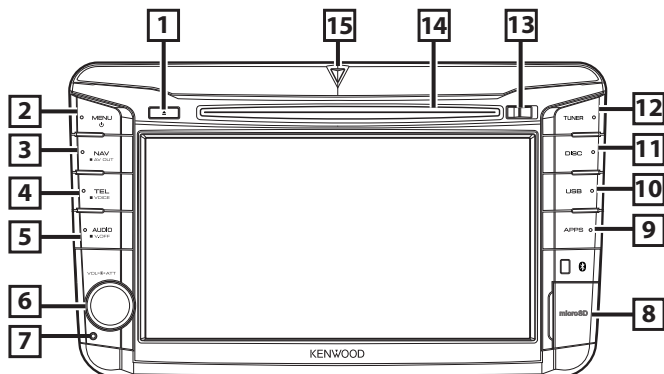
No.	Name/Motion
7	▲, ▼ <ul style="list-style-type: none"> Adjusts volume.
8	TEL <ul style="list-style-type: none"> Displays the Hands Free screen (Instruction Manual P.76). Pressing for 1 second displays the Voice Recognition screen. (Instruction Manual P.79)
9	Input jack <ul style="list-style-type: none"> An input jack for external device.
10	microSD card slot <ul style="list-style-type: none"> A microSD card slot for upgrading the map. For how to upgrade the map, refer to the instruction manual of the navigation system. <p>See Detaching/Attaching the faceplate and insert a SD Card (P.12).</p>



No.	Name/Motion
[1]	Disc insert slot <ul style="list-style-type: none"> • A slot to insert a disc media.
[2]	▲ <ul style="list-style-type: none"> • Ejects the disc. • Pressing for 1 second ejects the disc forcibly.
[3]	▽ (Reset) <ul style="list-style-type: none"> • If the unit or the connected unit fails to operate properly, the unit returns to factory settings when this button is pressed (Instruction Manual P.113). • If the Security Indicator (SI) function is turned on, this indicator flashes when the vehicle ignition is off (Instruction Manual P.87).
[4]	MENU <ul style="list-style-type: none"> • Displays the Top Menu screen (Instruction Manual P.18). • Pressing for 1 second turns the power off. • When the power off, turns the power on.
[5]	NAV <ul style="list-style-type: none"> • Displays the navigation screen. • Pressing for 1 second switches AV out sources.
[6]	Volume knob <ul style="list-style-type: none"> • Turning adjusts volume up or down. • Pressing switches attenuation of the volume on/off. • Pressing for 1 second displays Graphic Equalizer screen (Instruction Manual P.99).*

No.	Name/Motion
[7]	TEL <ul style="list-style-type: none"> • Displays the Hands Free screen (Instruction Manual P.76). • Pressing for 1 second displays the Voice Recognition screen. (Instruction Manual P.79)
[8]	microSD card slot <ul style="list-style-type: none"> • A microSD card slot for upgrading the map. For how to upgrade the map, refer to the instruction manual of the navigation system.

* The display may not switch to the Graphic Equalizer screen in some conditions.



No.	Name/Motion
1	▲ (Eject) <ul style="list-style-type: none"> Ejects the disc. Pressing for 1 second ejects the disc forcibly.
2	MENU <ul style="list-style-type: none"> Displays the Top Menu screen (Instruction Manual P.18). Pressing for 1 second turns the power off. When the power off, turns the power on.
3	NAV <ul style="list-style-type: none"> Displays the navigation screen. Pressing for 1 second switches AV out sources.
4	TEL <ul style="list-style-type: none"> Displays the Hands Free screen (Instruction Manual P.76). Pressing for 1 second displays the Voice Recognition screen. (Instruction Manual P.79)
5	AUDIO <ul style="list-style-type: none"> Displays Graphic Equalizer screen (Instruction Manual P.99).* Pressing for 1 second turns the screen off.
6	Volume knob <ul style="list-style-type: none"> Turning adjusts volume up or down. Pressing switches attenuation of the volume on/off.

No.	Name/Motion
7	Reset <ul style="list-style-type: none"> If the unit or the connected unit fails to operate properly, the unit returns to factory settings when this button is pressed (Instruction Manual P.113).
8	microSD card slot <ul style="list-style-type: none"> A microSD card slot for upgrading the map. For how to upgrade the map, refer to the instruction manual of the navigation system. <p>See Detaching/ Attaching the faceplate and insert a SD Card (P.12).</p>
9	APPS <ul style="list-style-type: none"> Switches to the Apps sources.
10	USB <ul style="list-style-type: none"> Switches to the USB or iPod sources. (Instruction Manual P.84).
11	DISC <ul style="list-style-type: none"> Switches to the disc media sources.
12	TUNER <ul style="list-style-type: none"> Switches to the Tuner sources.
13	Release key <ul style="list-style-type: none"> Detaches the part of front panel. <p>See Detaching/ Attaching the faceplate and insert a SD Card (P.12).</p>
14	Disc insert slot <ul style="list-style-type: none"> A slot to insert a disc media.

No.	Name/Motion
-----	-------------

15 SI indicator

- If the Security Indicator (SI) function is turned on, this indicator flashes when the panel is detached (Instruction Manual P.87).

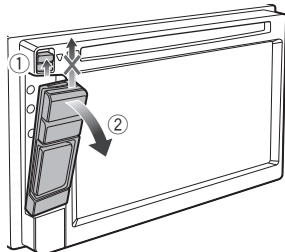
* The display may not switch to the Graphic Equalizer screen in some conditions.

Detaching/ Attaching the faceplate and insert a SD Card

■ DNX5350BT

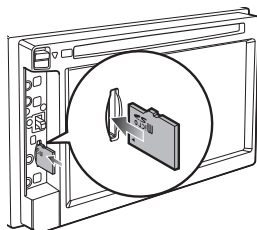
• Detaching the faceplate

- 1) Slide the Release key upward to detach the part of the front panel.



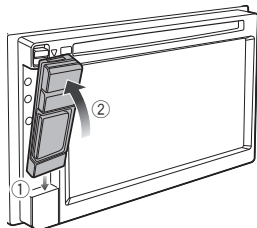
• Insert a microSD Card

- 1) Slide the Release key upward to detach the part of the front panel.
- 2) Hold the microSD card with the label side facing left and the notched section up, and insert it into the slot until it clicks.



• Attaching the faceplate

- 1) Hold the panel securely so as not to drop it accidentally, and fit it onto the attaching plate until it is firmly locked.



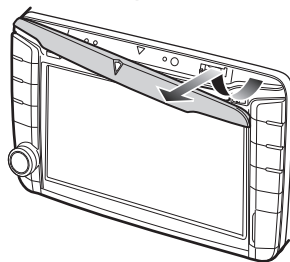
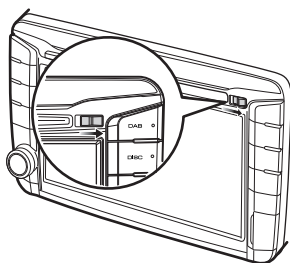
NOTE

- When detaching a part of the front panel, detach it toward the front side as shown in the diagram above. If it is detached upward, the front panel will be broken.
- To prevent deterioration, do not touch the terminals of the unit and front panel with your fingers.
- If the terminals on the unit or front panel get dirty, wipe them with a clean soft dry cloth. Remove the panel before this happens.

■ DNX535VBT

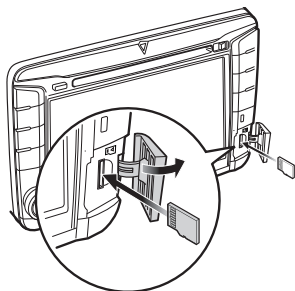
• Detaching the faceplate

- 1) Slide the Release key rightward to detach the part of the front panel.



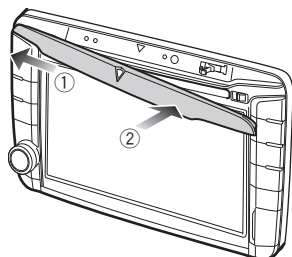
- **Insert a microSD Card**

- 1) Open the card slot cover.
- 2) Hold the microSD card with the label side facing right and the notched section down, and insert it into the slot until it clicks.



- **Attaching the faceplate**

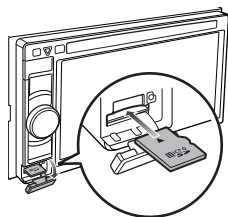
- 1) Hold the panel securely so as not to drop it accidentally, and fit it onto the attaching plate until it is firmly locked.



■ DNX5350DAB

- **Insert a microSD Card**

- 1) Open the card slot cover.
- 2) Hold the microSD card with the label facing up and the notched section right, and insert it into the slot until it clicks.



- **Eject a SD Card/ microSD Card**

- 1) Push the card until it clicks and then remove your finger from the card.
- 2) The card pops up so that you can pull it out with your fingers.

Common Operations

General

There are some functions which can be operated from most screens.



[Menu]

Returns to the Top Menu screen.

Touching for at least 1 second displays the Screen Control screen. (Even when an image is displayed, touching for at least 1 second displays the Screen Control screen.)

[↶] (RETURN)

Returns to previous screen.

⏮ (common menu key)

Touch to display the common menu. The contents of the menu are as follows.

- ⏮ : Displays the SETUP Menu screen.
 - ⏮ : Displays the Audio Control Menu screen.
 - ⏮ : Displays the control screen of current source.
- Icon feature differs depending on the source.
- ✕ : Closes the menu.

List screen

There are some common function keys in the list screens of most sources.



⏮ (Scroll)

Scrolls the displayed text.

All etc.

Touch keys with various functions are displayed here.

Displayed keys differ depending on the current audio source, status, etc.

For examples, see **List screen (P.20)** in the Instruction Manual.

Flick scrolling

You can scroll the list screen by flicking the screen up/down or right/left.



How to Use the Navigation System

1 Press the <NAV> button to display the navigation screen.

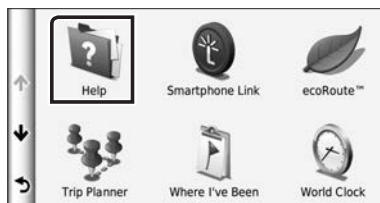
2 Operate the desired function from the Main Menu screen.



No.	Name/Motion
1	GPS satellite strength.
2	Finds a destination.
3	Views the map.
4	Uses the Apps such as ecoRoute and Help.
5	Adjusts the settings.

NOTE

- You can get additional information about using the navigation system from Help. To display Help, touch [Apps] and then touch [Help].



- For more information about your navigation system, download the latest version of the Owner's Manual from <http://manual.kenwood.com/edition/im382/>.

3 Enter your destination and start the guidance.

Finding points of interest

- 1) Touch [Where To?].

- 2) Select a category and a subcategory.
- 3) Select a destination.
- 4) Touch [Go].

NOTE

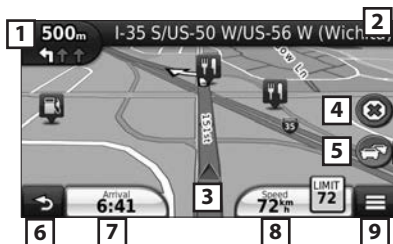
- To enter letters contained in the name, touch the Search bar and enter the letters.

4 Follow your route to the destination.

NOTICE

- The speed limit icon feature is for information only and does not replace the driver's responsibility to abide by all posted speed limit signs and to use safe driving judgment at all times. Garmin and JVC KENWOOD will not be responsible for any traffic fines or citations that you may receive for failing to follow all applicable traffic laws and signs.

Your route is marked with a magenta line. As you travel, your navigation system guides you to your destination with voice prompts, arrows on the map, and directions at the top of the map. If you depart from the original route, your navigation system recalculates the route.




No.	Name/Motion
1	Views the Next Turn page or the junction view page, when available.
2	Views the Turn List page.
3	Views the Where Am I? page.
4	Stops the current route.
5	Displays traffic information on the route.
6	Returns to the Main menu.
7	Displays a different data field.
8	Views the Trip Computer.
9	Displays more options.



NOTE

- Touch and drag the map to view a different area of the map.
- A speed limit icon could appear as you travel on major roadways.

• Adding a stop


- 1) While navigating a route, touch  and then touch [Where To?].
- 2) Search for the extra stop.
- 3) Touch [Go!].
- 4) Touch [Add to Active Route] to add this stop before your final destination.

• Taking a detour

- 1) While navigating a route, touch .
- 2) Touch .

Other Features

• Manually avoiding traffic on your route

- 1) From the map, touch the traffic icon.
- 2) Touch [Traffic On Route].
- 3) If necessary, touch the arrows to view other traffic delays on your route.
- 4) Touch  > [Avoid].

• Viewing the traffic map

- 1) The traffic map shows color-coded traffic flow and delays on nearby.

• About traffic

NOTICE

- Traffic service is not available in some areas or countries.
- Garmin and JVC KENWOOD are not responsible for the accuracy or timeliness of the traffic information.
With an FM traffic receiver, the navigation system can receive and use traffic information. When a traffic message is received, you can see the event on the map and change your route to avoid the incident.

• Updating the software

To update the navigation system software, you must have a USB mass storage device and an internet connection.

- 1) Go to www.garmin.com/Kenwood.
- 2) Find your model and select [Software Updates] > [Download].
- 3) Read and accept the terms of the Software License Agreement.
- 4) Follow the instructions on the Web site to complete the installation of the software

update.

• Updating maps

You can purchase updated map data from Garmin or ask your Kenwood dealer or Kenwood service center for details.

- 1) Go to www.garmin.com/Kenwood.
- 2) Select [Order Map Updates] for your Kenwood unit.
- 3) Follow the Web site instructions to update your map.

How to Play Music

You can play audio files from music CD, disc media, USB storage device and iPod.

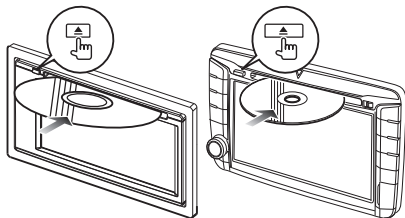
NOTE

- For details on playable file format, media format, iPod model, etc., refer to the Instruction Manual.

1 Connect the media you want to play as shown below.

Disc

- 1) Insert the disc into the slot.
Playback starts.



• To eject the disc:

- 1) Press the <▲> button.



iPod/iPhone

- 1) Connect the iPod/iPhone.
Playback starts.

NOTE

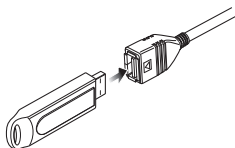
- For the details of the necessary cable and adapter to connect with iPod/iPhone, refer to "iPod/iPhone connection" (P.35)

• To disconnect the iPod/iPhone connected with the cable:

- 1) Touch  on the screen and then touch .
- Disconnect the iPod/ iPhone from the cable.

USB device

- 1) Connect the USB device with the USB cable.



• To disconnect the USB device:

- 1) Touch [▲] on the screen and disconnect the device from the cable.

2 Control the music you are listening to on the source control screen.

The following symbols indicate the keys on the screen.

The functions of the keys are the same despite the difference of the source you are listening to.



• Basic operations from this screen



Plays or pauses.



Stops playing.



Disconnects the device.



Searches the previous/next content.



or move the cursor in the center bar

Fast forwards or Fast backwards (Disc media, CD, USB device only).



Repeats current content.



Plays all contents in random order.

NOTE

- For other operations, refer to the Instruction Manual.
- If desired key is not displayed in the multi-function bar, touch the [◀] to switch the menu.

3 Search the track/file you want to listen to.

• List search

- 1) Touch center of the screen.
The content list of the media being played is displayed.
If the information of the current track only is displayed, touch [▶] to switch the list display.



• Refined search

- 1) Touch [Q].
- 2) Touch the desired refinement method.
The list is refined by the item you selected.
- 3) Touch the desired item.



NOTE

- For details on searching operations, refer to **Search Operation (P.41)** in the Instruction Manual.

How to Play Movie/Picture

You can play DVD video, Video CD (VCD), movie files from disc media, iPod and picture files from USB storage device.

NOTE

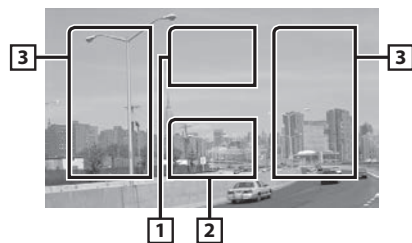
- For details on playable file format, device format, etc., refer to the Instruction Manual.

1 Connect the media you want to play.

For the method of connecting, see **How to Play Music (P.16)**.

2 Control the movie/picture by touching the screen.

Each area on the screen has a separate function.



No.	Name/Motion
[1]	DVD: Displays the DVD menu.* ¹ VCD: Displays the Zoom Control screen.* ² Disc media: Displays the disc menu.* ³
[2]	Displays the Source Control screen.
[3]	<ul style="list-style-type: none">Searches the next/previous content or file.Scrolling from center of display to left or right performs fast backward or fast forward. To stop fast backward/forward, touch center of the display.* ⁴



*1 See **DVD Disc Menu Operation (P.27)** in the Instruction Manual.

*2 See **Zoom Control For DVD And VCD (P.28)** in the Instruction Manual.

*3 See **Movie Control (P.46)** in the Instruction Manual.

*4 For USB, this function may be unavailable depending on the playing file format.

NOTE

- For operations on the source control screen, see **How to Play Music (P.16)**. However, searching by category/link/album artwork is not available.
- Touching [] (displayed by touching [] in the source control screen) hides all keys.

How to Listen to the DAB/ Radio

1 Touch [Menu] on any screen.

Top Menu screen appears.

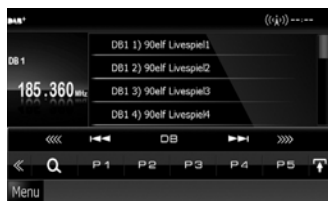
2 Touch [DAB] (DNX5350DAB only) or [TUNER].





The unit switches to the radio source.

3 Operate on the source control screen.

• Station search for DAB

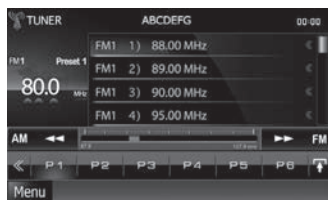
- Touch [].
Sub function menu appears.





- Touch [DB] to select the band.
- Touch [], [], [], or [] to tune in the desired ensemble, service, or component.





• Station search for Radio

- Touch [].
Sub function menu appears.



- Touch [AM] or [FM] to select the band.
- Touch [] or [] to tune in the desired station.

• Auto memory (Radio only)

- Touch [].
Sub function menu appears.
- Touch [AM] or [FM] to select the band.
- Touch [].
- Touch [AME].
- Touch [] or [] in the sub function menu.
Auto memory starts.

• Recalling the preset station

- 1) Touch [P#].

You can also display the preset list by touching the frequency display in the center.

NOTE

- For other operations, see **Radio Basic Operation (P.60)**, **Digital Radio Basic Operation (P.62)** in the Instruction Manual.

How to Make a Phone Call

You can use your Bluetooth cell-phone when paired to this unit.

NOTE

- You cannot register the Bluetooth unit when you are using the following sources:
iPod, Bluetooth Audio, APPS, Pandora

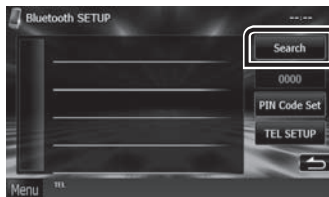
1 Register your cell-phone to the unit.

Follow as the procedures shown below. For detailed operation, see **Registering the Bluetooth Unit (P.73)** in the Instruction Manual.

- 1) Touch [Menu] on any screen.
Top Menu screen appears.
- 2) Touch [SETUP].
SETUP Menu screen appears.
- 3) Touch [Bluetooth].
Bluetooth SETUP screen appears.



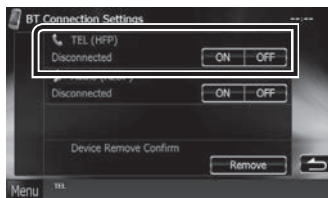
- 4) Touch [Search].
Searched Device List screen appears.
- 5) Select your cell-phone from the displayed list in the Searched Device List screen.



- 6) Enter PIN code from the cell-phone.
Registering is completed.
The PIN code is set to "0000" as default.

2 Connect your cell-phone to the unit.

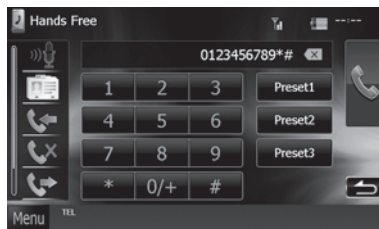
- 1) Touch the device name you want to connect in the Bluetooth SETUP screen.
- 2) Touch [ON] of [TEL(HFP)] in the BT Connection Settings screen.
The selected device is connected to the unit.



When registration of your cell-phone is completed, the phone book of the cell-phone is automatically downloaded to this unit.

3 Make or receive a phone call.

See the table below for each operation method.



Call by entering a phone number

- 1) Enter a phone number with number keys.
- 2) Touch [Call].

Call using call records

- 1) Touch [Incoming] (incoming calls), [Missed] (missed calls), or [Outgoing] (outgoing calls).
- 2) Select the phone number from the list.
- 3) Touch [Call].

Call using the phonebook

- 1) Touch [Phonebook].
- 2) Select the name from the list.
- 3) Select the number from the list.
- 4) Touch [Call].

Call using the preset number

1) Touch [Preset #] to start calling the corresponding phone number.

2) Touch .

Call by voice

You can make a voice call using the voice recognition function of the cell-phone.

1) Touch .

2) Pronounce the name registered in the cell-phone.

NOTE

- For detailed operation, see **Using Hands-Free Unit (P.76)** in the Instruction Manual.

Installation

Before Installation

Before installation of this unit, please note the following precautions.

WARNINGS

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.

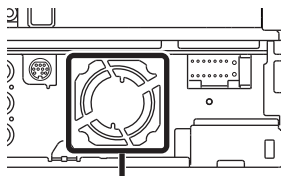
CAUTION

- Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

NOTE

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("PROTECT" is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.

- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the \ominus wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the \oplus connector of the left speaker to a front output terminal, do not connect the \ominus connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- This unit has the cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit are blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.



Cooling fan

- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.
- Reception may drop if there are metal objects near the Bluetooth antenna.

DNX5350BT
DNX5350DAB

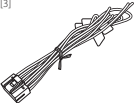
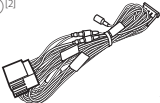
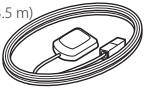






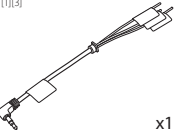
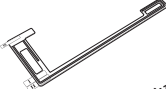
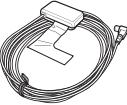
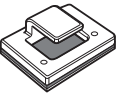
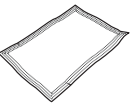
DNX535VBT



Bluetooth antenna unit

■ Supplied accessories

First of all, make sure that all accessories are supplied with the unit.

① ^{[1][3]}  x1	② ^[2]  x1
③ (3.5 m)  x1	④  x1
⑤  x1	⑥ ^{[1][3]}  x1
⑦ ^{[1][3]}  (M5x6mm) x6	⑧ ^{[1][3]}  (M5x7mm) x6
⑨ (3 m)  x1	⑩ ^{[1][3]}  x1
⑪ ^[3]  x1	⑫ ^[3]  x1
⑬ ^[3]  x3	⑭ ^[3]  x1

^[1] DNX5350BT only

^[2] DNX535VBT only

^[3] DNX5350DAB only

^[4] region code 2/3 area only

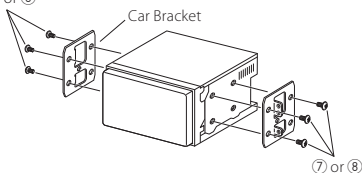
■ Unit

- 1) To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
- 2) Make the proper input and output wire connections for each unit.
- 3) Connect the speaker wires of the wiring harness.
- 4) Connect the wiring harness wires in the following order;
ground, battery, ignition.
- 5) Connect the wiring harness connector to the unit.
- 6) Install the unit in your car.
- 7) Reconnect the ⊖ terminal of the battery.
- 8) Press the <Reset> button. **(P.4)**
- 9) Perform the Initial Setup.

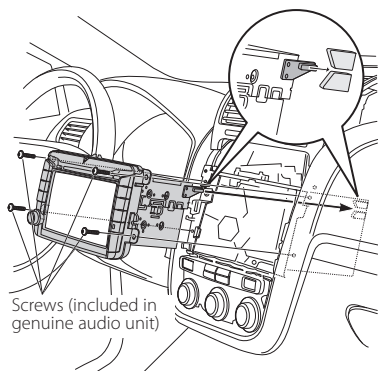
See **First Step (P.6)**.

• DNX5350BT, DNX5350DAB

⑦ or ⑧



• DNX535VBT

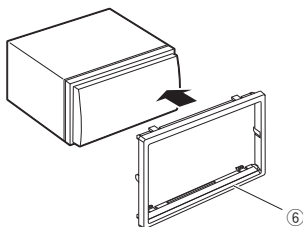


🔧 NOTE

- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).

■ Trim plate (DNX5350BT, DNX5350DAB)

- 1) Attach accessory ⑥ to the unit.

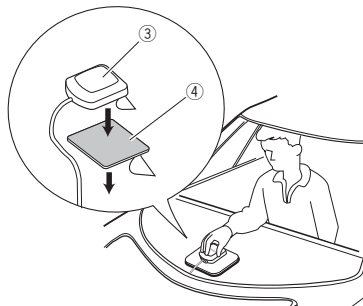


■ GPS antenna

GPS antenna is installed inside of the car. It should be installed as horizontally as possible to allow easy reception of the GPS satellite signals.

To mount the GPS antenna inside your vehicle:

- 1) Clean your dashboard or other surface.
- 2) Remove the separator of the metal plate (accessory ④).
- 3) Press the metal plate (accessory ④) down firmly on your dashboard or other mounting surface. You can bend the metal plate (accessory ④) to conform to a curved surface, if necessary.
- 4) Remove the separator of the GPS antenna (accessory ③), and stick the antenna to the metal plate (accessory ④).

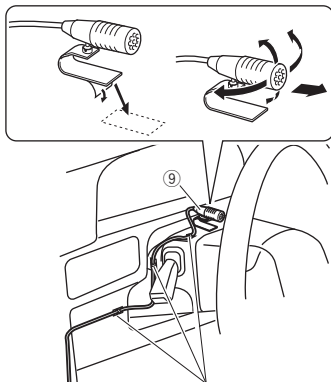


🔧 NOTE

- Depending on the type of car, reception of the GPS satellite signals might not be possible with an inside installation.
- The GPS antenna should be installed at a position that is spaced at least 12 inch (30 cm) from cellular phone or other transmitting antennas. Signals from the GPS satellite may be interfered with by these types of communication.
- Painting the GPS antenna with (metallic) paint may cause a drop in performance.

■ Microphone unit

- 1) Check the installation position of the microphone (accessory ⑨).
- 2) Clean the installation surface.
- 3) Remove the separator of the microphone (accessory ⑨), and stick the microphone to the place shown below.
- 4) Wire the microphone cable up to the unit with it secured at several positions using tape or other desired method.
- 5) Adjust the direction of the microphone (accessory ⑨) to the driver.



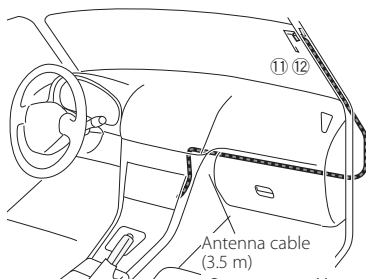
Fix a cable with a commercial item of tape.

■ Installation the Digital Radio antenna (DNX5350DAB)

▲ CAUTION

- This film antenna is exclusively for use inside the vehicle.
- Do not install at the following locations:
 - Where it may block driver's view
 - Where it may obstruct operation of safety devices such as air bags
 - On movable glass surface such as rear hatch
- Signal strength will decrease at the following locations:
 - On IR reflecting glass or where covered with mirror type glass film
 - Where it overlaps with genuine radio antenna (pattern)
 - Where it overlaps with window heating wires
 - At side of vehicle (e.g. door, front quarter window)
 - On rear window
 - When glass that blocks radio signals (e.g. IR reflecting glass, thermal insulation glass) is used
 - Reception may decrease due to noise when windshield wiper, air conditioner, or motor is turned on.
 - Reception may decrease depending on the direction of the broadcast station with respect to the vehicle (antenna).
- Be sure to check the installation location of film antenna (accessory ⑪) before installing. Film antenna cannot be re-pasted.
- Thoroughly wipe oil and dirt from the pasting surface with the included cleaner (accessory ⑭).
- Do not bend or damage the film antenna (accessory ⑪).
- Warm the pasting surface by turning on the heater for example, before applying.
- It may not be possible to install on some type of vehicle.
- Check the cable routing of the film antenna (accessory ⑪) and amplifier (accessory ⑫) before pasting.

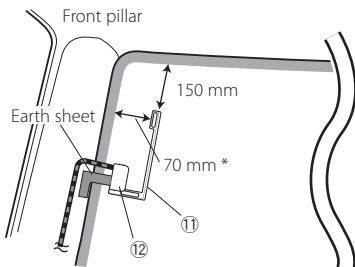
• Installation overview



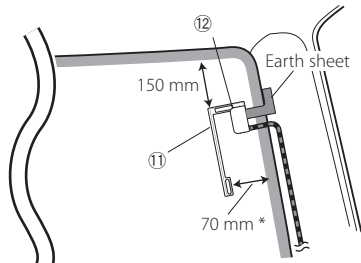
- The antenna should be installed on the passenger side for safety.
- Use cord clasper (accessory ⑬) to secure the antenna to the pillar at several locations.
- The direction of the film antenna (accessory ⑪) changes depending on whether the film antenna is installed on the right side or left side.
- Separate the film antenna (accessory ⑪) from the ceramic line (black part) at the top of the front glass by 150 mm.
Also, place it about 70 mm inside the ceramic line at the side end of the front glass. (where the earth sheet of the amplifier can be pasted on the metal part of the front pillar)
- Separate from other antennas by at least 100 mm.
- Do not paste the amplifier (accessory ⑫) on the ceramic line (black part) around the front glass. Because there is not enough adhesion.

• Determining the antenna installation location

When installing the antenna on the left side



When installing the antenna on the right side



NOTE

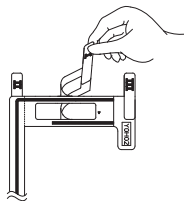
- *Where the earth sheet of Amplifier (accessory 12) can be pasted on the metal part of the front pillar.

• Determining the antenna installation location

- 1) Check the installation location.
- 2) Clean the area where film antenna (accessory 11), amplifier unit (accessory 12), and earth sheet are pasted with the included cleaner (accessory 14).

NOTE

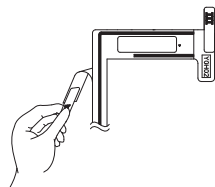
- The coating on the metal surface need not be removed.
 - Wait until the glass surface is completely dry before pasting.
 - If the glass surface is cold, such as during winter, warm it with defroster or dryer.
- 3) Remove the separator (tag I) of film antenna (accessory 11) horizontally and paste the antenna on the front glass.



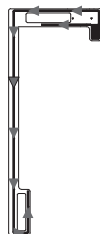
NOTE

- Remove the separator gently.
 - Do not touch the pasting surface (adhesive side) of the film antenna (accessory 11).
- 4) Remove the separator (tag II) of film antenna

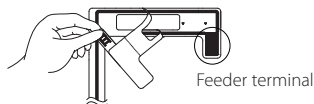
(accessory 11) vertically and paste the antenna gently while applying pressure.



- 5) After pasting, rub the element in the glass surface in the direction of the arrow shown in the figure to bond it.



- 6) Remove the application film (tag III).

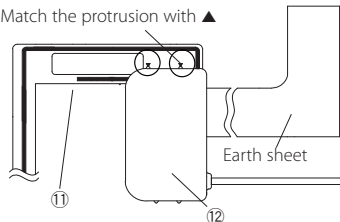


NOTE

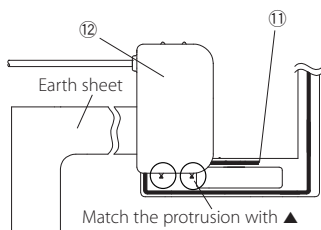
- Do not touch the feeder terminal of the element. Also, do not apply any glass cleaner.
- 7) Match the protrusion of the amplifier (accessory 12) with the ▲ on the film antenna (accessory 11) and paste.

When installing the antenna on the right side

Match the protrusion with ▲

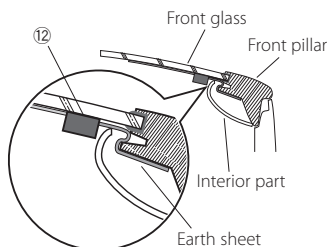


When installing the antenna on the left side



NOTE

- Do not touch the feeder terminal or the pasting surface (adhesive side) of the amplifier.
- 8) Remove the film covering the earth sheet and paste the earth sheet on the metal part of the vehicle.

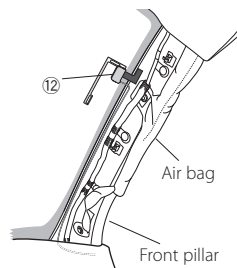


NOTE

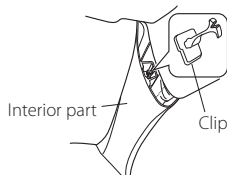
- Provide sufficient leeway for the earth sheet so that it does not interfere with the interior parts (front pillar cover). Also take care that the interior parts do not interfere with the amplifier (accessory 12).
- 9) Wire the antenna cables.
Use cord clumper (accessory 13) to secure the antenna to the pillar at several locations.

NOTE

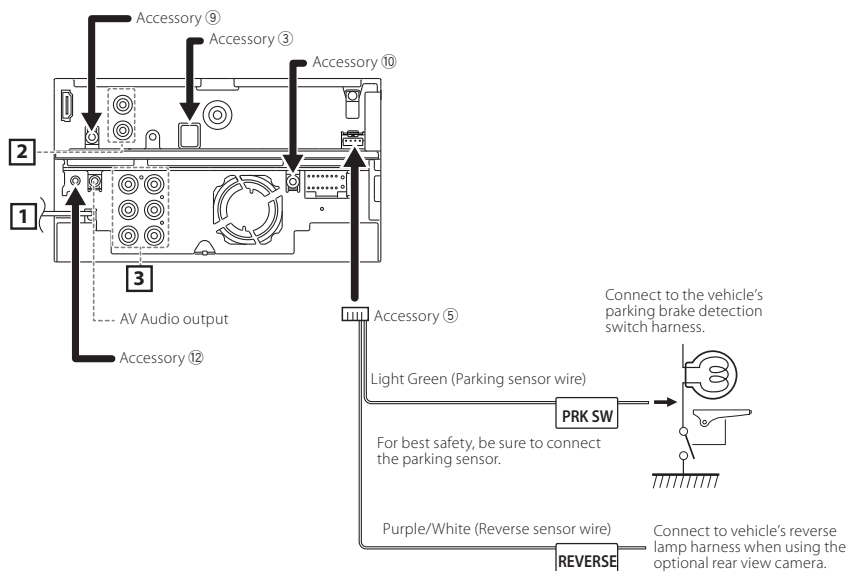
- Take the following precautions when passing the antenna cable inside the front pillar where the air bag is installed.
 - Install the amplifier part of the antenna cable in front or above the air bag so that the antenna and the air bag do not interfere.



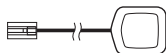
- The front pillar cover is secured with a special clip which may need to be replaced when the front pillar cover is removed. Contact your vehicle dealer for details on replacing the front pillar cover and availability of replacement parts.



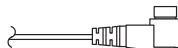
System connection



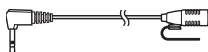
Accessory ③: GPS Antenna



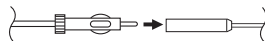
Accessory ⑫ (DNX5350DAB only): Digital radio antenna



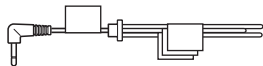
Accessory ⑨: Bluetooth Microphone



1 FM/AM antenna input



Accessory ⑩ (DNX5350BT, DNX5350DAB): Steering remote harness



Connect to vehicle's steering remote harness. Contact your Kenwood dealer for details.

2

⊙--- Rear View Camera Input

⊙--- AV Video Output

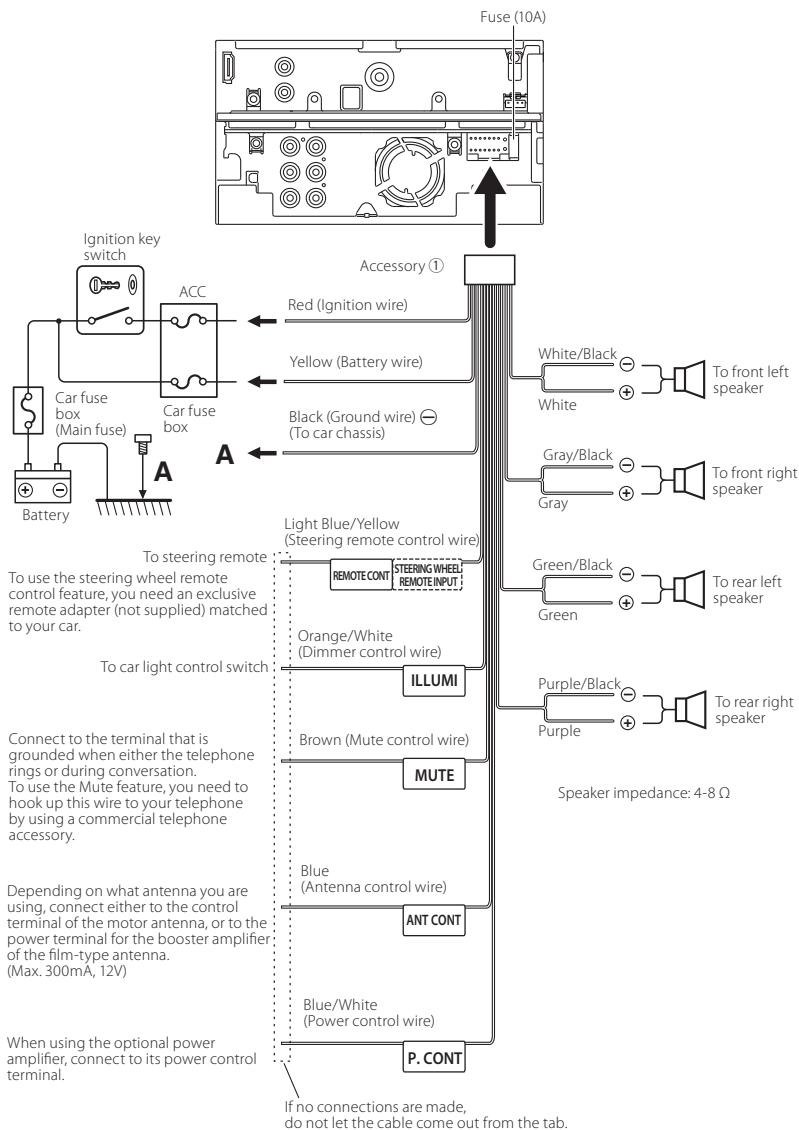
3

⊙--- Rear Audio Preout

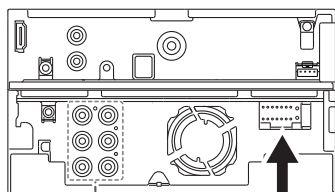
⊙--- Front Audio Preout

⊙--- Subwoofer Preout

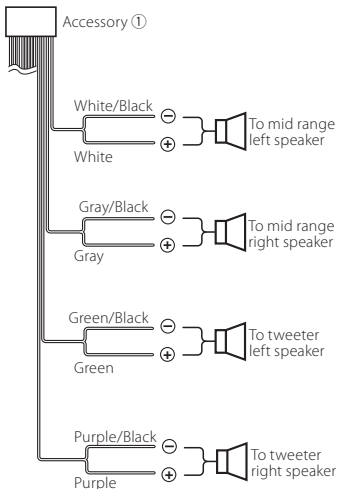
■ Connecting wires to terminals (DNX5350BT, DNX5350DAB)



■ 3 way speaker system setup (DNX5350BT Region code 3 area only)



1

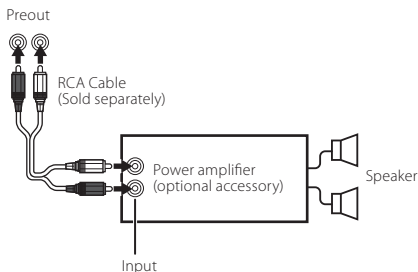
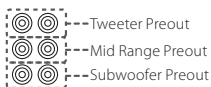


Speaker impedance: 4-8 Ω

NOTE

- For how to connect speaker wires to terminals other than speaker terminals and Preout terminals, see "System connection" (P.27) and "Connecting wires to terminals (DNX5350BT, DNX5350DAB)" (P.28).

1

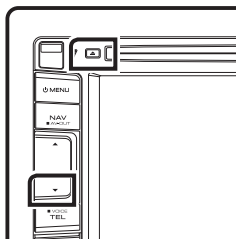


• Switching between speaker systems

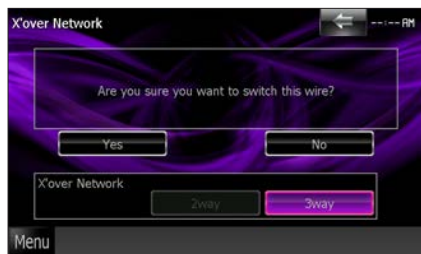
Switch to the 3 way speaker system following the procedure below.

NOTE

- Be sure to set the speaker network correctly.
Connecting 3 way speakers with the 2 way mode selected can break the speakers.
- 1) Touch [Menu] on any screen.
Menu screen appears.
 - 2) Touch [STANDBY].
 - 3) Press the volume <▼> button and <▲> button for 1 second at the same time.
Speaker system select screen appears.




- 4) Touch [3way].
A confirmation screen appears.



- 5) Touch [Yes].

The 2 way speaker system is switched to the 3 way speaker system.

NOTE

- When the 3-way speaker system is selected, the following functions are disabled. (See the Instruction Manual.)
 - Zone Control
 - DSP select
 - Fader of Controlling General Audio
 - [REAR ] (Multi function menu)
- For speaker setup and crossover setup, see Setting Audio in the Instruction Manual.

■ Connecting wires to terminals (DNX535VBT)

Connector Function Guide

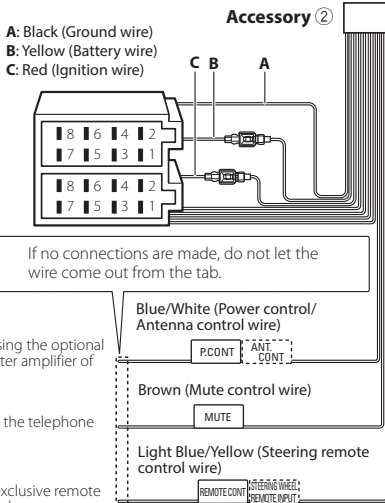
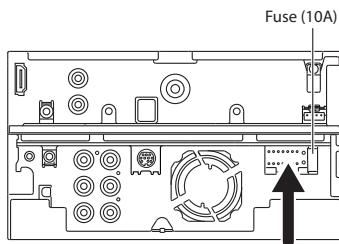
Pin Numbers for ISO Connectors	Cable Color	Functions
External Power Connector		
A-4	Yellow	Battery
A-5	Blue/White	Power Control
A-6	Orange/White	Dimmer
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
Speaker Connector		
B-1	Purple	Rear Right (+)
B-2	Purple/Black	Rear Right (-)
B-3	Gray	Front Right (+)
B-4	Gray/Black	Front Right (-)
B-5	White	Front Left (+)
B-6	White/Black	Front Left (-)
B-7	Green	Rear Left (+)
B-8	Green/Black	Rear Left (-)

*Speaker Impedance: 4-8 Ω

Connect either to the power control terminal when using the optional power amplifier, or to the power terminal for the booster amplifier of the film-type or short pole type antenna.

Connect to the terminal that is grounded when either the telephone rings or during conversation.

To use the steering wheel remote control feature, an exclusive remote adapter (not supplied) that matches your car is required.

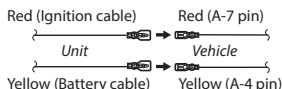


▲ WARNING for Connecting the ISO Connector

The pin arrangement for the ISO connectors depends on the type of vehicle you drive. Make sure to make the proper connections to prevent damage to the unit. The default connection for the wiring harness is described in (1) below. If the ISO connector pins are set as described in (2), make the connection as illustrated. Please be sure to reconnect the cable as shown (2) below to install this unit to the **Volkswagen** vehicles etc.

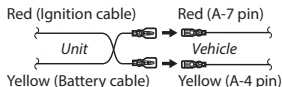
(1): Default setting

The red (A-7 pin) of the vehicle's ISO connector is linked with the ignition, and the yellow (A-4 pin) is connected to the constant power supply.

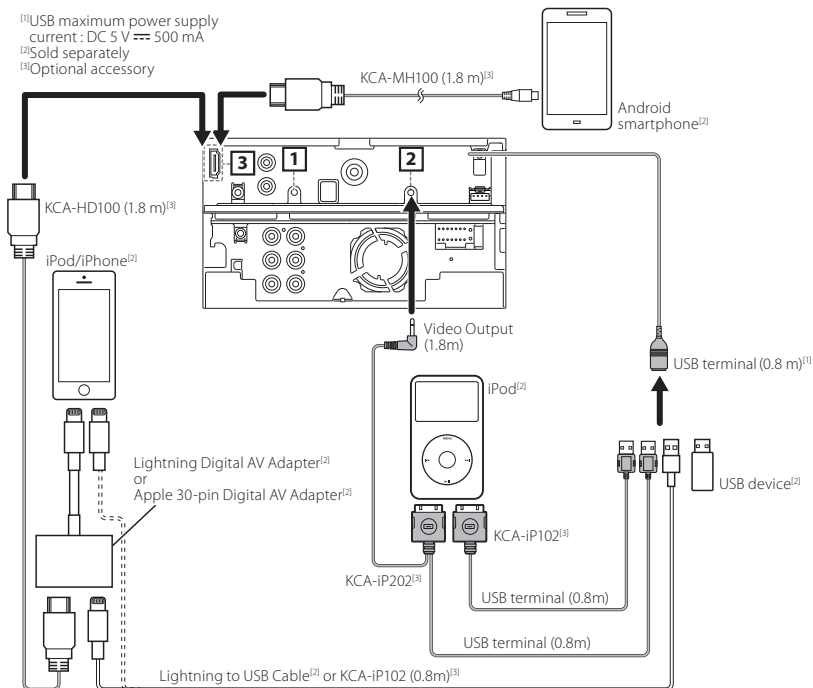


(2)

The red (A-7 pin) of the vehicle's ISO connector is connected to the constant power supply, and the yellow (A-4 pin) is linked to the ignition.



Optional accessory connection

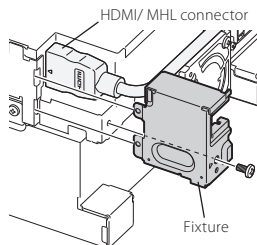


- 1** AV-IN (CA-C3AV; Optional Accessory) input (DNX535VBT, DNX5350DAB)
- 2** iPod/ AV-IN (CA-C3AV; Optional Accessory) input

NOTE

- When you connect iPod/iPhone with HDMI cable, the necessary cable differs depended on the type of the connector like Lightning or 30-pin. Refer to "iPod/iPhone connection" (P.35).
- The setting is necessary to meet the connected iPod/iPhone or Android device.
- It is also possible to connect with iPod/iPhone or Android device via Bluetooth. Refer to "iPod/iPhone connection" (P.35) or "Android connection" (P.35).

- 3** When you connect the cable to HDMI/MHL terminal, remove the fixture. After connecting the cable, put the fixture again.



About this Unit

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■ Requirements Pandora®:

Requirements for listening to the Pandora® are as follows:

iPhone or iPod touch

- Use an Apple iPhone or iPod touch running under iOS3 or later.
- Search for "Pandora" in the Apple iTunes App Store to find and install the most current version of the Pandora® application on your device.

Android™

- Visit the Google play and search for Pandora to install.

BlackBerry®

- Visit www.pandora.com from the built in browser to download the Pandora application.
- Bluetooth must be built in and the following profiles must be supported.
 - SPP
 - A2DP

NOTE

- In the application on your device, log in and create an account with Pandora.
- (If you are not already a registered user, an account can also be created at www.pandora.com.)
- Internet connection by LTE, 3G, EDGE, or WiFi.
- Pandora® is only available in the United States, Australia, and New Zealand.
- Because Pandora® is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Pandora® cannot be operated from this unit.
- For issues using the application, please contact Pandora® at pandora-support@pandora.com.

Android connection

To connect the Android device with this unit, the cable (sold separately) and the profile which your Android device supports are necessary as follows:

- To listen to music and watch video of APPS source
 - MHL device
 - KCA-MH100 (Optional Accessory)
 - Bluetooth profile: SPP
- To listen to music of APPS source
 - Bluetooth profile: A2DP
 - Bluetooth profile: SPP
- To listen to music of Bluetooth Audio source
 - Bluetooth profile: A2DP
 - Bluetooth profile: AVRCP

iPod/iPhone connection

To connect the iPod/iPhone with this unit, the cable, adapter (both sold separately), and the profile which your iPod/iPhone supports are necessary as follows:

- To listen music and watch video with Lightning connector device
 - Lightning Digital AV Adapter
 - KCA-HD100
 - Lightning to USB Cable (accessory of the iPod/iPhone)
 - Bluetooth profile: SPP
- To listen music with Lightning connector device
 - Lightning to USB Cable (accessory of the iPod/iPhone)
- To listen music and watch video with 30-pin connector device (1)
 - Apple 30-pin Digital AV Adapter
 - KCA-HD100
 - KCA-iP102
 - Bluetooth profile: SPP
- To listen music and watch video with 30-pin connector device (2)
 - KCA-iP202
- To listen music with 30-pin connector device
 - KCA-iP102
- To listen to music via Bluetooth
 - Bluetooth profile: A2DP
 - Bluetooth profile: SPP

applications can be controlled from this unit. The operable functions depend on the application. Refer to "Apps Operation" (P.52) in the Instruction Manual.

- Do not leave the cable or the adapter made by other makers inside the car. It might lead the malfunction caused by heat.

Connectable iPod/iPhone


The following models can be connected to this unit.

Made for

- iPhone 5
- iPhone 4S
- iPhone 4
- iPhone 3GS
- iPhone 3G
- iPhone
- iPod touch (5th generation)
- iPod touch (4th generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)
- iPod classic
- iPod with video
- iPod nano (7th generation)
- iPod nano (6th generation)
- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)

NOTE

- When connecting with Lightning Digital AV Adapter or Apple 30-pin Digital AV Adapter some

 The marking of products using lasers

CLASS 1 LASER PRODUCT

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

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DNX5350BTM/ DNX535VBTM



Declaration of Conformity with regard to the EMC Directive 2004/108/EC

Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC

Declaration of Conformity with regard to the RoHS Directive 2011/65/EU

Manufacturer:

JVC KENWOOD Corporation

3-12, Moriyacho, Kanagawa-ku, Yokohama-shi,
Kanagawa 221-0022, JAPAN

EU Representative's:

JVC KENWOOD NEDERLAND B.V.

Amsterdamseweg 37, 1422 AC UITHOORN, The
Netherlands

English

Hereby, JVC KENWOOD declares that this unit DNX5350BTM, DNX535VBTM is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

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