For Version 2.x.x
Refer to Software Information for version confirmation.

Before reading this manual, click the button below to check the latest edition and the modified pages.

Check the latest edition
Thank you for purchasing the KENWOOD CONNECTED NAVIGATION SYSTEM. In this manual, you will learn various convenient functions of the system.

Click the icon of the media you want to play. With one-click, you can jump to the section of each media!
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Before Use

⚠️ 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.108).
- The Radio Data System or Radio Broadcast Data System feature won’t work where the service is not supported by any broadcasting station.

■ Protecting the monitor
To protect the monitor from damage, do not operate the monitor using a ball point pen or similar tool with the sharp tip.

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

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

■ 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.)
Erase the personal information
Before giving or selling this unit to others, be sure to delete the information (mail, search logs, etc.) stored in this unit by yourself and confirm that the data has been deleted. We shall not be liable for any damage caused by leakage of undeleted data.

1 Press the <HOME> button.

2 Press the <MENU> button.

3 Touch [Setting].

4 Touch [Backup & Reset].

5 Touch [Factory data reset].

6 Enter owner password. Touch [Rest].

7 Touch [ERASE].
Search Operation

You can search music, video or picture files by the following operations.

**NOTE**
- If you use a remote controller, you can jump directly to the desired track/file with entering the track/folder/file number, play time, etc. For details, see *Direct search mode (P.135)*.

1. **List search**
   You can search tracks, folders, and files according to hierarchy.
   1. Touch illustrated area.
      List Control screen appears.
   2. Touch desired track/file.
      Playback starts.

2. **Other search**
   When you want to narrow the list down, there are other search ways.
   This function is not available when music CD is the current source.
   1. Touch \[\] in the control screen.
      The search type screen appears.
   2. Touch desired search way.

**NOTE**
- The screens and panels shown in this manual are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual screens or panels used, or some display patterns may be different.
Features of Connected systems

By connecting this unit to Internet, you can use various services.

Cooperation with Route Collector site
• Destinations and routes specified on the PC can be input to this navigation system. (DNN9350BT/DNN9350BTM)
• The routes you have traveled and the songs you have listened to can be logged. (P.25)
(DNN9350BT/DNN9350BTM)
• By uploading music files to Dropbox and creating a play list on Route Collector site, you can listen to music anywhere through streaming without music files on this unit. (P.80)
• Speech to Text (STT) and Text to Speech (TTS).

Use of internet service
• Streaming service such as Aupeo!.
• Internet service such as email, and social networking service such as Facebook and Twitter.
• Information (RSS, etc.) service.

About the account
• To use internet services via this system, you need to create an account in the Route Collector site.
• In addition to the owner account, you can register up to four user accounts.
• You can use a guest account as well.
• By switching among accounts, you can secure the privacy when using the mail feature or social media.
For details, see About Account (P.34).
http://www.route-collector.com/

Notes
• TTS (by Nuance)
• STT (by Nuance)

To use the following services, you need to register the corresponding free or paid accounts.
• Aupeo!
• Facebook
• Twitter
• Dropbox
Wi-Fi access point
• Connect to Internet using the tethering function of your smartphone or an Internet device. *(P.28)*

Wi-Fi hotspot
• This unit becomes the Wi-Fi access point and you can enjoy music and video in a smartphone Wi-Fi connected by Kenwood Wireless Link. *(P.30)*

Media player for DVD video, CD, USB memory, iPod, etc.
• Radio.
• Navigation (DNN9350BT/ DNN9350BTM)
Basic Operations

Functions of the Buttons on the Front Panel

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.

How to insert an SD Card (DNN9350BT/ DNN9350BTM)

1) Press 8 <△> button for 1 second.
   The panel fully opens.
2) Hold the SD card as the illustration in the right and insert it into the slot until it clicks.

● To eject the card:

   Push the card until it clicks and then remove your finger from the card.
   The card pops up so that you can pull it out with your fingers.
<table>
<thead>
<tr>
<th>Number</th>
<th>Name</th>
<th>Motion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>▼ (Reset)</td>
<td>• If the unit or the connected unit fails to operate properly, the unit returns to initial settings when this button is pressed (P.133).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• If the SI function is turned on, this indicator flashes when the vehicle ignition is off (P.109).</td>
</tr>
<tr>
<td>2</td>
<td>▼, ▲ (Vol)</td>
<td>Adjusts volume.</td>
</tr>
<tr>
<td>3</td>
<td>Remote Sensor</td>
<td>Receives the remote control signal.</td>
</tr>
<tr>
<td>4</td>
<td>NAV (DNN9350BT/ DNN9350BTM)</td>
<td>• Displays the navigation screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pressing for 1 second turns the screen off.*</td>
</tr>
<tr>
<td></td>
<td>APPS (DNR8035BT/ DNR8035BTM)</td>
<td>• Displays the APPS screen .</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pressing for 1 second turns the screen off.*</td>
</tr>
<tr>
<td>5</td>
<td>MENU</td>
<td>• Displays the option menu screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pressing for 1 second switches AV out sources.</td>
</tr>
<tr>
<td>6</td>
<td>HOME</td>
<td>• Displays the Home screen (P.18).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pressing for 1 second turns the power off.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• When the power off, turns the power on.</td>
</tr>
<tr>
<td>7</td>
<td>⇐ (Back)</td>
<td>• Return to the previously viewed screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Pressing for 1 second displays the Hands Free screen (P.98).</td>
</tr>
<tr>
<td>8</td>
<td>▲ (Eject)</td>
<td>• Ejects the disc.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• When the panel is opened, pressing closes the panel and pressing for 1 second ejects the disc forcibly.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• When the panel is closed, pressing for 1 second fully opens the panel to the location of the SD card slot.</td>
</tr>
<tr>
<td>9</td>
<td>Disc insert slot</td>
<td>A slot to insert a disc media.</td>
</tr>
<tr>
<td>10</td>
<td>SD card slot (DNN9350BT/ DNN9350BTM)</td>
<td>An SD card slot for upgrading the map. For how to upgrade the map, refer to the instruction manual of the navigation system.</td>
</tr>
</tbody>
</table>

*The function of the [NAV]/ [APPS] button can be changed to camera view function. See User interface (P.107).*
Turning on the Unit

The method for turning on the power varies between different models.

1. Press the <HOME> button.

The unit is turned on.

To turn off the unit:
Press the <HOME> button for 1 second.

If it is your first time turning the unit on after installation, it will be necessary to perform Initial setup (P.14).
Login

1 Select the login user.
   
   **When the owner has not been registered**
   
   ![Image of Login User select]
   
   **When the owner has been registered**
   
   ![Image of Login User select]

2 Enter the password.
   
   When you selected Administrator or Guest, you do not need to enter a password.
   
   ![Image of Owner login]
   
   [Auto Login?]: Checking this checkbox allows you to log in to the system automatically from the next time.

3 Touch [Login].

**NOTE**

- If you forgot your password, create your new password on the Route Collector site.
  
  [Website URL]  
  
  [Website URL]
Initial setup

Perform this setup when you use this unit for the first time or when you reset the unit. See Resetting the Unit (P.133).

1 Set each item as follows.

Language Setup
Select the language used for the GUI and input methods. Default is “English (United States)”.

1 Touch [Language Setup].
2 Select a language from the list.

WiFi Setup
Configure settings for connection to Wi-Fi.

1 Touch [WiFi Setup].
2 Slide Wi-Fi to ON.
3 Select the Wi-Fi access point to register from the list.
4 Enter the Password.
5 Touch [Connect].
6 After setting, press the < > button.
For details on operation, see Wi-Fi Setup (P.28).

Date Setup
Set the date and time.

1 Touch [Date Setup].
2 Touch [Select time zone].
3 Select a time zone.
4 After setting, press the < > button.
For details on operation, see Clock and Date Setup (P.32).

Account Setup
Set the information about the user of this unit.

1 Touch [Account Setup].
For details on operation, see About Account (P.34).
2 Touch [Next].

3 Set each item as follows.

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locale (DNN9350BT/ DNN9350BTM)</td>
<td>Select the country for the navigation system. The language, the distance unit, and the gasoline unit are set. 1) Touch [SET]. 2) Select the desired country. 3) Touch [Enter].</td>
</tr>
<tr>
<td>Language</td>
<td>Select the language used for the control screen and setting items. Default is “American English (en)”. 1) Touch [SET]. 2) Touch [A] or [B] to select the desired language. 3) Touch [Enter]. For details on operation, see Language setup (P.108).</td>
</tr>
<tr>
<td>Angle</td>
<td>Adjust the position of the monitor. Default is “0”. 1) Touch [SET]. 2) Touch desired angle number and [Enter]. For details on operation, see Monitor angle control (P.110).</td>
</tr>
</tbody>
</table>
### Color
Set the screen and button illumination color. You can select whether to allow color scan operation or select a fixed color for operation.

1. Touch [SET].
2. Touch [ON] or [OFF] of [Panel Color Scan].
3. If you want to change color, touch [SET] of [Panel Color Coordinate].
4. Touch your desired color and [Next].

For details on operation, see [Panel color coordinate (P.111)](#).

### Camera
Set the parameters for the camera.

1. Touch [SET].
2. Set each item and touch [Next].

For details on operation, see [Camera Setup (P.112)](#).

4. Touch [Finish].

#### NOTE
- These settings can be set from the SETUP menu. See [Setting Up (P.106)](#).
How to Play Media

Music CD and disc media

1 Press the <△> button.

The panel opens.

2 Insert the disc into the slot.

The panel closes automatically. The unit loads the disc and playback starts.

• To eject the disc: Press the <△> button.

USB device

1 Connect the USB device with the USB cable.

The unit reads the device and playback starts.

• To disconnect the device: Touch [▲] on the screen and disconnect the device from the cable.

iPod

1 Connect the iPod.

NOTE

• For the details of the necessary cable and adapter to connect with iPod/iPhone, refer to Music/Video Basic Operation (P.60).

The unit reads the iPod and playback starts.

• To disconnect the iPod/iPhone connected with the cable: Touch [▲] on the screen and disconnect the device from the cable.
### Operation on the Home Screen

Most functions can be operated on the Home screen.

1. Press the <HOME> button.

   Home screen appears.

2. Flick the screen left or right to select the Service panel, Media panel, Source launcher panel, or Network contents panel.

<table>
<thead>
<tr>
<th>Panel</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Service panel</td>
<td>Network widget: Displays the SNS, or RSS.</td>
</tr>
<tr>
<td>2  Media panel</td>
<td>Now playing: Displays the title of the song being played or the name of the station you are listening to, and allows you to perform simple operations. Media widget: Displays the Photo frame that shows photos.</td>
</tr>
<tr>
<td>3  Source launcher panel</td>
<td>Allows you to select a source.</td>
</tr>
<tr>
<td>4  Network contents panel</td>
<td>Allows you to select a network-related application.</td>
</tr>
</tbody>
</table>
Source launcher panel and Network contents panel

**Shortcut icon**
You can register sources and applications you use frequently so that you can start them quickly.

**All source list/ All apps list**
Displays all sources and applications.

All source list/ All apps list

**Home**
Returns to the Source launcher panel or the Network contents panel.

From All source list, you can perform the following functions.

<table>
<thead>
<tr>
<th>Function</th>
<th>Icon</th>
<th>Operation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Switch the audio source</td>
<td><img src="icon.png" alt="USB iPod" /> etc.</td>
<td>Touch the icon of the desired source.</td>
</tr>
<tr>
<td>Switch the video source</td>
<td><img src="icon.png" alt="HDMI Video" /> etc.</td>
<td>Touch the icon of the desired video source.</td>
</tr>
<tr>
<td>Display navigation screen (DNN9350BT/ DNN9350BTM)</td>
<td><img src="icon.png" alt="NAV" /> or <img src="icon.png" alt="NAV" /></td>
<td>Touch [NAV] or navigation information.</td>
</tr>
<tr>
<td>Turn off all audio function</td>
<td><img src="icon.png" alt="STANDBY" /></td>
<td>Touch [STANDBY].</td>
</tr>
</tbody>
</table>
Basic Operations

Moving or deleting of an icon on the Source launcher panel and Network contents panel

1. Touch and hold the icon.
2. Drag the icon to the desired position or Recycle Bin.

Adding of a shortcut icon to Source launcher panel or Network contents panel

1. Touch [ ]] in Source launcher panel or Network contents panel.
2. Touching the icon continuously to display the Source launcher panel or Network contents panel screen.
3. Drag the icon to an empty space.

Media panel

1. Now playing widget
Displays the title of the song being played or the name of the station you are listening to, and allows you to perform simple operations. See Now playing Widget (P.48).

2. Media widget
Displays the Photo frame that shows photos. See Photo Frame Widget (P.50).
Service panel

1 Displays the clock and date.

2 Network widget
   Touching [ ] allows you to switch between RSS, and SNS.
   See SNS Widget (P.38), RSS Widget (P.38).

Change the skin for home screen

You can select a home screen skin from 3 types.

1 Press the <MENU> button.
2 Touch [Theme].

3 Select a skin.

4 Touch [OK].
Basic Operations

Common Operation

Introduces the common operation.

General

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

Quick menu screen

Touch to display the quick menu. The content 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.

List screen

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

- Touch keys with various functions are displayed here.
- Displayed keys differ depending on the current audio source, status, etc.
- For examples of functions of each key, refer to the table below.

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Lists all the music in the lower hierarchy.</td>
</tr>
<tr>
<td></td>
<td>Moves to the upper hierarchy.</td>
</tr>
<tr>
<td></td>
<td>Displays current category folder.</td>
</tr>
<tr>
<td></td>
<td>Displays music/movie file list.</td>
</tr>
</tbody>
</table>
Flick scrolling
You can scroll the list screen by flicking the screen up/down or right/left.
Navigation Operation
(DNN9350BT/ DNN9350BTM)

For details on the navigation function, please refer to the Navigation Instruction Manual.

Display the navigation screen

1 Press the <NAV> button.

The navigation screen appears.

Control audio from the navigation screen

You can control audio sources while the navigation screen is displayed.
Also, you can view the navigation information while the source control screen is displayed.

1 Touch the information bar.

The navigation screen with audio information appears.

2 Touch [ ] or [ ] in the navigation screen.

Touching this area displays the audio screen.

: Displays the navigation and control keys of the current source.

: Displays the navigation and current video playback display.

NOTE
• The screen switches between playback screen and camera view each time the viewing area is touched.
• Touching the source icon in the bottom of the screen displays the full audio screen.
• Streaming Video and AUPEO! just plays music. You cannot control it and watch video.
To return to the full navigation screen:
Touch [ ].

NOTE
• For details on control keys, refer to the instructions in each section.

Trip log function
You can upload the routes you traveled and the songs you listened to the Route Collector site so that you can confirm them later.

Precaution
• Trip log function can be used to log information such as routes you have traveled and songs you have listened to. Such information is uploaded to our Route Collector site, for later access by you through your computer. Non-personal data from this log is also kept and used by us for statistical purposes to improve the quality of our products. By selecting to use this function, you are accepting use of the data for such statistical purposes.
This is an optional function that can be activated at your sole option and responsibility the procedures set forth in the left column.

1 Press the <MENU> button in the navigation screen or source control screen.
2 Touch [ ] Triplog On].
3 Touch [Yes].

When the Trip log is active, “吁" appears in the status bar.

NOTE
• You must have a connection with the internet using Wi-Fi.
• You can use the Trip log function when you have logged in the system as Owner or User.

Where To function
You can set the destination of the navigation easily by setting the destination of the Route Collector site from your PC or your smartphone.

1 Log in to Route Collector site by the owner account.
http://www.route-collector.com/
2 Set the destination in the Route Collector site.
3 You will be notified by “吁" icon on the status bar.
4 Drag the status bar downward. Touch [ ].

It will be set as the destination of the navigation.

5 Touch [GO] to start the route guide.

NOTE
• You can set a user account when you have logged in the Owner.
• You must have a connection with the internet using Wi-Fi.
• For the operation of the Route Collector site refer to the instruction in its website.
Come Here function

When you go to pick up your family or friends, send them the mail to decide the meeting point. After they enter the meeting point you can easily set it as the destination of your navigation.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ SNS].
5. Touch [ (mail)].
6. Touch [ ].
7. Touch [ ].
   The address for setting the meeting point is added in the text part.
8. Enter the address, subject, etc. to complete the mail and send it.
9. Your family or friend will enter the meeting point.
   Check the address in the mail, register as the meeting point and press Send.
10. You will be notified by the “” icon on the status bar when they enter the meeting point.
11. Drag the status bar downward. Touch [ ].
   It will be set as the destination of the navigation.
12. Touch [GO] to start the route guide.
NOTE

• You must have a connection with the internet using Wi-Fi.
• The address of the meeting point is effective only 2 hours after adding the address. After that you can not enter it.
• Come Here function can be used for one person (one meeting point) at a time.

Tracking function

When you upload the location of your car to the Route Collector site, you can check it in case your car is stolen.

Precaution

• Tracking function is a handy function to be used for the primary purpose of tracking the location of your vehicle. This function can also be used for secondary purposes, at your sole option and responsibility. In any event, we cannot accept any responsibility for any results of your use of the function, for whatever purpose. Should you select to use this option, please activate the function through the procedures set forth in the left column.

1 Log in to Route Collector site by the owner account.

http://www.route-collector.com/

2 Set to ON the Tracking function in the Route Collector site.

You can check the location of your car in the Route Collector site.

NOTE

• You must have a connection with the internet using Wi-Fi.
• You can set this function and check the location of your car only when you log in by the owner account.
• For the operation of the Route Collector site refer to the instruction in its website.
Network Setup

You can not use Wi-Fi setup and Wi-Fi Hotspot setup at the same time. You can make it effective either Wi-Fi or Wi-Fi Hotspot.

- **Wi-Fi Setup (P.28)**
- **Wi-Fi Hotspot Setup (P.30)**

**Wi-Fi Setup**

You can connect to a Wi-Fi access point to connect to Internet.

**Preparation**

- Make preparations for using the Wi-Fi access point for Internet connection through use of the tethering function of the smartphone.
- Set to OFF the Wi-Fi Hotspot in **Wi-Fi Hotspot Setup (P.30)**.

1. Press the <HOME> button to display the Home screen.

**Note**

- To display the Network contents panel, Press the <HOME> button again.

2. Press the <MENU> button.

3. Touch [Setting].

4. Slide Wi-Fi to ON.

5. Touch [Wi-Fi].

6. Select the Wi-Fi access point to register from the list.

7. Enter the Password.

8. Touch [Connect].
Network Setup

Register the Wi-Fi access point manually

1 Touch [ADD NETWORK].

2 Enter the SSID code.

3 Select the security.

4 Enter the security code.

5 Touch [Save].

Confirm the MAC address

1 Press the <MENU> button.

2 Touch [Advanced].

3 Press the < button.
Wi-Fi Hotspot Setup

If there is no Wi-Fi access point, this unit becomes a Wi-Fi access point. You can connect your smartphone and your tablet PC, and enjoy Kenwood Wireless Link function. (P.82)

Preparation
• When Wi-Fi Hotspot is in use you can not connect to the Internet via Wi-Fi.
• Set to OFF the Wi-Fi in Wi-Fi Setup (P.28).

1 Press the <HOME> button to display the Home screen.

Note
• To display the Network contents panel, Press the <HOME> button again.

2 Press the <MENU> button.

3 Touch [Setting].

4 Touch [Portable hotspot].

5 Touch [Configure Wi-Fi hotspot].

6 Enter the SSID code. Select the security. Enter the password.

When you check Show password, the password that you set is displayed.

7 Touch [Save].

8 Touch [Portable Wi-Fi hotspot].

This unit works as the Wi-Fi access point.
**Clock and Date Setup**

1. Press the <HOME> button to display the Home screen.

   **Note**
   - To display the Network contents panel, press the <HOME> button again.

2. Press the <MENU> button.

3. Touch [Setting].

4. Touch [Date & time].

---

**DNN9350BT/DNN9350BTM**

1. Set each item as follows.

2. Press the < button.

---

**DNR8035BT/DNR8035BTM**

1. Touch [Select time zone].

2. Select a time zone.

3. Press the < button.
Adjust the date and time manually.

1. Touch [Automatic date & time] to remove the check.

2. Touch [Select time zone].

3. Select a time zone.

4. Touch [Set date].

5. Adjust the date.

6. Touch [Set].

7. Touch [Set time].

8. Adjust the time.

9. Touch [Set].

10. Press the < button.
Account Setup

About Account

To use this unit, you must register an account.

Types of accounts

You can create accounts to maintain privacy when using the mail feature or social media.

Administrator

As Administrator, you can create an owner account and perform initial setup.
You can log in to the system if you have not created an owner account.

Guest

An account for guests such as your friends.
The guest can operate this unit, but cannot use the functions related to mail, social media, and Route Collector site.

Owner

The account for the person who manages this unit.
The owner can use the functions related to mail, social media, and Route Collector site.
You can register users such as your family.

User

The account for the user of this unit.
The user can use the functions related to mail, social media, and Route Collector site.
You can register up to 4 user accounts.

Account registration procedure

1 Create an account in the Route Collector site.
   Create an account referring to Create User Account (P.34) or the Route Collector site.
   http://www.route-collector.com/

2 Register the account in this unit.
   To register an Owner account, refer to Set Owner Account (P.35).
   To register an User account, refer to Set User Account (P.36).

3 Switch between login accounts.
   See Switch the User Login (P.36).

Create User Account

To use this unit, you need to create an account in the Route Collector site.

Preparation

- To register yourself in the Route Collector site as a user, you need a mail address.
- You can register yourself via the Web.
  http://www.route-collector.com/
- This step may be skipped if you have already registered yourself in the Route Collector site.

1 Press the <HOME> button to display the Home screen.

2 Press the <MENU> button.

3 Touch [Account].
4 Touch [Create Account].

You cannot register an account which has already been used. Register another account name.

5 Enter account information.

6 Touch [OK].

The account is temporarily registered in the Route Collector site.

7 Activate the account.

A confirmation mail is sent to the registered mail address. Open the indicated URL to complete account registration.

Set Owner Account

You can register an owner account for the person who manages this system.

Preparation

- You must have a connection with the internet using Wi-Fi. See Wi-Fi Setup (P.28).
- First create an account in the Route Collector site. See Create User Account (P.34).
- If you have not created an owner account, log in to the system as Administrator.
- If you have created an owner account, log in to the system after account resetting.

1 Press the <HOME> button to display the Home screen.

2 Press the <MENU> button.

3 Touch [Account].

4 Touch [Set Owner Account].

Enter the information registered in the Route Collector site.

5 Enter account information.

6 Touch [OK].
Set User Account

You can register a user account for the user of this system.

**Preparation**
- You must have a connection with the internet using Wi-Fi. See *Wi-Fi Setup (P.28)*.
- First create an account in the Route Collector site. See *Create User Account (P.34)*.
- You can set a user account when you have logged in the Owner.

1. Press the <HOME> button to display the Home screen.
2. Press the <MENU> button.
3. Touch [Account].
4. Touch [Set Account].
5. Enter account information.
   - Enter the information registered in the Route Collector site.
6. Touch [OK].

Switch the User Login

You can switch to a different account from the one currently logged in.

1. Press the <HOME> button to display the Home screen.
2. Press the <MENU> button.
3. Touch [Account].
4. Touch [Login User select].
5. Select an account.
6. Enter the password.
Delete User Account

You can delete a previously registered user account.

**Preparation**
- You can set a user account when you have logged in the Owner.

1. Press the <HOME> button to display the Home screen.
2. Press the <MENU> button.
3. Touch [Account].
4. Touch [Delete Account].
5. Select an account.
6. Touch [OK].
   Confirmation screen appears.
7. Touch [Yes].

Reset Owner Account

You can delete previously registered owner and user accounts.

**Preparation**
- You can set a user account when you have logged in the Owner.

1. Press the <HOME> button to display the Home screen.
2. Press the <MENU> button.
3. Touch [Account].
4. Touch [Reset Account].
5. Enter the owner account’s password.
6. Touch [OK].
   Confirmation screen appears.
7. Touch [Yes].

**Note**
- The data, log, and settings used in the account are deleted.
Widget and Application Operation

SNS Widget

You can use Facebook, Twitter, and email (IMAP).

**Preparation**
- To use each service, the Facebook, Twitter or email account is required.
- You can use a user account when you have logged in the Owner or User.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Service panel.
3. Touch [ ].
4. Select the SNS Widget.

**1** Starts the SNS application.
**2** : Reads out all contents in an auditory fashion.
**3** : Switches to the RSS.

**2** Category
Select a service category.

**3** SNS article list
Displays the contents selected in Category in a new order.
Touching this starts the SNS application and displays its contents.
When the latest information is displayed at the top, sliding the list allows you to update the information.
**4** : Reads out the SNS contents in an auditory fashion.

RSS Widget

Displays the RSS news.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Service panel.
3. Touch [ ].
4. Select the RSS Widget.

**1** Starts the RSS application.
**2** : Reads out all the contents in an auditory fashion.
**3** : Switches to the SNS.

**2** Category
Select a service category.

**3** RSS article list
Displays the contents selected in Category in a new order.
Touching this starts the RSS application and displays its contents.
When the latest information is displayed at the top, sliding the list allows you to update the information.
**4** : Reads out the RSS contents in an auditory fashion.
Facebook (SNS Application)
Displays the screen for using Facebook.

Preparation
- You must have a connection with the internet using Wi-Fi. See Wi-Fi Setup (P.28).
- To use a Facebook service, the corresponding account is required.
- You can use a user account when you have logged in the Owner or User.

Register an account
1 Press the <HOME> button.
2 Flick the screen left or right to select the Network contents panel.
3 Touch [ ].
4 Touch [ SNS].
5 Touch [ ] (Facebook).
6 Touch [Sign in].
7 Enter the Email address/Phone and Password.
8 Touch [Log in].

Operation
1 Press the <HOME> button.
2 Flick the screen left or right to select the Network contents panel.
3 Touch [ ].
4 Touch [ SNS].
5 Touch [ ] (Facebook).
6 Perform desired operation as follows.

1
: Create a new article.
: Posting the current place.
: Reads out all articles by voice.
: Terminates the application.

2
Article list
Displays an article or message. Touching this displays details. While the latest information is displayed at the top, sliding the list down updates the information.
: Reads out the article by voice.
7 Detailed article or message view.

![Image]

1: Votes as "Like".
2: Posts a comment.
3: Deletes an article. When the confirmation screen appears, touch "Ok".
4: Reads the content of the comment by voice.
5: Returns to previous screen.

Menu

1 Press the <MENU> button.

Article list view

Setting
Set an update interval.

Sign out
Logs out from the current account.

Add to post
Create an article to be posted to the SNS service of the selected category.

1 Touch [+] in the SNS application.
2 Create an article to post.

![Image]

1 Enter an article to post.
2 Enter a comment using the voice recognition function. When “Speak now” appears, speak the comment.
[Post]: Posts the article.
3 Select a fixed phrase.

2: Post photo.
3: Returns to previous screen.
Twitter (SNS Application)
Displays the screen for using Twitter.

Preparation
- You must have a connection with the internet using Wi-Fi. See Wi-Fi Setup (P.28).
- To use a Twitter service, the corresponding account is required.
- You can use a user account when you have logged in the Owner or User.

Register an account
1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ SNS].
5. Touch [ (Twitter)].
6. Touch [Sign in].
7. Enter the Username/email and Password.
8. Touch [Authorize app].

Operation
1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ SNS].
5. Touch [ (Twitter)].
6. Perform desired operation as follows.

Article list
Displays an article or message.
Touching this displays details.
While the latest information is displayed at the top, sliding the list down updates the information.
- : Reads out the article by voice.
7 Detailed article or message view.

- Create a reply.
- Create a ReTweet.
- Adds to Favorites.

- Delete the Tweet.
- Reads the content of the comment by voice.
- Returns to previous screen.

Menu

1 Press the <MENU> button.

Article list view

- Setting
  Set an update interval.

- Sign out
  Logs out from the current account.

Add to post
Create an article to be posted to the SNS service of the selected category.

1 Touch [+] in the SNS application.

2 Create an article to post.

Enter an article to post.

1: Enter a comment using the voice recognition function. When “Speak now” appears, speak the comment.

[Post]: Posts the article.

2: Post current location.

3: Returns to previous screen.

Select a fixed phrase.
E-mail (SNS Application)

Displays the screen for using E-mail (IMAP).

**Preparation**
- You must have a connection with the internet using Wi-Fi. See *Wi-Fi Setup (P.28).*
- To use an email service, the corresponding account is required.
- You can use a user account when you have logged in the Owner or User.

**Register an account**

1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ SNS].
5. Touch [ (mail)].
6. Touch [Sign in].
7. Enter the Email and Password.
8. Touch [Next].
9. Enter the IMAP server, Port and Security type.
10. Touch [Next].
11. Enter the SMTP server, Port and Security type.
12. Touch [Done].

**Operation**

1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ SNS].
5. Touch [ (mail)].
6. Perform desired operation as follows.

1. Touch [ ]:
   - Create a new article.
   - : Reads out all articles by voice.
   - : Terminates the application.
2. **Inbox list**
   - Displays an article or message.
   - Touching this displays details.
   - While the latest information is displayed at the top, sliding the list down updates the information.
   - : Reads out the article by voice.
7 Detailed article or message view.

1 Creates a reply mail.
2 Creates a reply mail for all.
3 Creates a forwarded mail.

2 Deletes an article. When the confirmation screen appears, touch “Ok”.

3 Reads the content of the comment by voice.
4 Returns to previous screen.

Menu

1 Press the <MENU> button.

Inbox list view

Setting
Set an update interval.

Account
Select the account and label to be displayed.
1 Select an account.
2 Select a label.

Add account
Register a new account.

Delete account
Delete a registered account.
Select the account to delete by putting a checkmark, and then touch [OK].

Add to post
Create an article to be posted to the SNS service of the selected category.

1 Touch [+] in the SNS application.
2 Create an article to post.

1 Sends the mail.
2 Stores the mail temporarily.
3 Deletes the mail.
4 Enters the address of the meeting point for Come Here function. See Come Here function (P.26). (DNN9350BT/DNN9350BTM)

2 : Returns to previous screen.

3 Create a mail message to send.
4 Enter a comment using the voice recognition function. When “Speak now” appears, speak the comment.

[Add Cc/Bcc] : Displays cc and Bcc.
RSS Application

Displays an RSS feed.

**Preparation**
- You must have a connection with the internet using Wi-Fi. See *Wi-Fi Setup (P.28)*.
- You can use a user account when you have logged in as the Owner or User.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Network contents panel.
3. Touch [ ].
4. Touch [ (RSS)].
5. Perform desired operation as follows.

- **Add RSS feed** (P.47)
- Reads out all articles by voice.
- Terminates the application.

**Category**
Select the RSS feed to be displayed.

**Article list**
Display the article.
Touching this displays details.
While the latest information is displayed at the top, sliding the list down updates the information.
- Read the article by voice.

**Menu**

1. Press the <MENU> button.

**Article list view**

- **Delete**
  Delete an RSS feed. See *Delete RSS feed (P.47)*

- **Setting**
  Set the update interval. See *RSS setup (P.47)*
[Add RSS feed]
Add an RSS feed.

1 Touch [+] in the RSS application.
2 Select a category.
3 Touch [Add].

[Delete RSS feed]
Delete an RSS feed.

1 Press the <MENU> button.
2 Touch [Delete].
3 Touch [Yes] to confirm.

[Note]
- In order to add an selectable RSS feed, you need to edit it in the Route Collector site. See www.route-collector.com/

[RSS setup]
Performs setup when using RSS Application.

1 Press the <MENU> button.
2 Touch [Setting] in the Menu.
3 Select an option as follows.

[Update interval]
Set the information update interval.
**Now playing Widget**

Displays the information about the song or station you are listening to, and allows you to perform simple operations.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Media panel.

**Media source such as CD or USB**

1. (I'm listening)
   You can post the information about the song you are listening to, on twitter, Facebook. See Posting the information about the song you are listening to (P.49).
2. Album art
   Touching Album art displays the Source control screen.
3. Information display
   Displays the information (title, etc.) about the song being played.
4. Allows you to stop playback temporarily and select songs.

**Radio source such as Radio**

1. (I'm listening)
   You can post the information about the song you are listening to, on twitter, Facebook. See Posting the information about the song you are listening to (P.49).
2. Artwork
   Touching artwork displays the Source control screen.
3. Information display
   Displays the band, frequency, etc. Touching this displays the Preset list screen. See Preset select (P.49).
4. Allows you to select a band and a station.
Posting the information about the song you are listening to

You can post the information about the song you are listening to, on Twitter, Facebook, or Route Collector site.

1 Touch [ ].

2 Create the information you want to post.

1 Enter the information you want to post.
   - Enter a comment using the voice recognition function. When "Speak now" is displayed, pronounce the comment.

2 Fixed phrase
   Select the information about the song you are listening to and a fixed phrase.

3 : Select the service on which you want to post the information.
   Select the service, and then touch [OK].

: Returns to previous screen.

Preset select

1 Touch illustrated area.

2 Select a station or channel from the list.
**Photo Frame Widget**

You can display the photos stored in the USB memory as a slide show.

1. **Press the <HOME> button.**
2. **Flick the screen left or right to select the Media panel.**
3. **Select the Photo Frame Widget.**

---

---

**Edit**

Edit the photo to be displayed.

**Picture**

Sliding the photo vertically scrolls through photos.

---

**Select the photo you want to display.**

1. **Touch [ ]**.

2. **Buttons**
   - +: Displays the screen for selecting the photo to be added.
   - ✅: Ends editing, and returns to the Photo frame screen.

3. **Thumbnail**
   - Touch and hold the photo. When the photo shaking, drag the photo to change the order.
   - - : Deletes the photo from the list.

4. **Touch [ ✅ ].**

5. **Select a picture.**

6. **Touch [ ✅ ].**
Mixed Media Search

You can search media like USB,iPod for the song by artist or album name and play it.

1 Touch [ ].
2 Select whether you search for the song by artist name or album name.
3 Enter the Artist or Album.

Enter the keyword using the voice recognition function. When "Speak now" is displayed, pronounce the keyword.
* You can use a user account when you have logged in the Owner or User.

4 Select a Source.

The source changes and playback starts.
DVD/Video CD (VCD) Operation

Most functions can be controlled from the source control screen and playback screen.

NOTE
• Set the remote controller mode switch to DVD mode before starting operation, see Switching the operation mode (P.127).
• The screen shot below is for DVD. It may be different from the one for VCD.

1 Information display
Displays the following information.
• Title #, Chap #: DVD title and chapter number display
• Track #/Scene #: VCD track or scene number display
  *Scene # is displayed only when PBC is on.
• ••, •••, ••••, ■, etc.: Current play mode display
  The meanings of each icon are as follows; ▶ (play), ▶▶ (fast forward), ◄◄ (fast backward),
  ▶◄► (search up), ◄◄◄ (search down), ■ (stop), ■R (resume stop), || (pause), ▶ (slow playback),
  ◄ (slow reverse playback).

Touch this area to display the disc label name.

2 Multi function key
Touch to switch the multi function menu. For details on the menu, see Multi function menu (P.54).

3 Multi function menu
Various functions can be operated using keys in this menu. For details on the keys, see Multi function menu (P.54).

4 Control switching key
Unavailable in DVD/VCD source.
5 Sub function menu

The following functions can be performed by using keys in this area.

- **Repeats the current content:** Touch [ ]. Each time you touch the key, repeat mode switches in the following sequence:
  - **DVD:** "title repeat", "chapter repeat", "function off"
  - **VCD (PBC On):** Does not repeat
  - **VCD (PBC Off):** "track repeat", "function off"

- **Fast forward or fast backward:** Touch [ ] or [ ]. Each time you touch the key, the speed changes; standard, 2 times, 3 times.

- **For confirmation of play time:** See #:##:##.
  - **DVD:** You can switch the time display between title play time, chapter play time, and title remaining time. Each time you touch, the display switches between "T #:##:##" (title play time display), "C #:##:##" (chapter play time display), and "R #:##:##" (title remaining time display).
  - **VCD (PBC off):** You can also confirm disc remaining time by touching time display. Each time you touch, the display switches between "P ##:##" (play time display) and "R ##:##" (disc remaining time).

- **For confirmation of current playing position:**
  - See the bar in center (DVD only). The bar does not appear while the remaining time is being displayed.

6 Movie display area

Touch to display Video screen.

7 Searching area

Touch to search the next/previous content.

Scrolling from center of display to left or right performs fast backward or fast forward. Each time you touch each area, the speed changes; standard, 2 times, 3 times. To stop fast backward/forward, touch center of the display.

8 Menu display area

This area functions differently depending on the current status.

- **During DVD playback:** Displays the Movie control screen. During the menu display, displays the highlight control screen.

- **During VCD playback:** Displays the Movie control screen. See Zoom Control for DVD and VCD (P.56).

9 Key display area

Touch to display the last control screen.

10 Screen setup display area

Touch and hold to display the screen control screen. See Monitor Screen Setup (P.106).

**NOTE**

- If you use a remote controller, you can jump directly to the desired video scene by entering the chapter number, scene number, play time, etc. Direct search mode (P.127).
Multi function menu

**DVD**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
<td>Searches the previous/next content.</td>
</tr>
<tr>
<td>[►II]</td>
<td>Plays or pauses.</td>
</tr>
<tr>
<td>[◄ ►] or [↕] (DVD only)</td>
<td>Plays in slow motion forward or backward.</td>
</tr>
<tr>
<td>[■]</td>
<td>Stops playback. When touched twice, the disc is played from the beginning when you play it the next time.</td>
</tr>
<tr>
<td>[PBC] (VCD only)</td>
<td>Turn PBC on or off.</td>
</tr>
</tbody>
</table>

**VCD**

- [►II] | Plays or pauses.
- [◄ ►] or [↕] (DVD only) | Plays in slow motion forward or backward.
- [■] | Stops playback. When touched twice, the disc is played from the beginning when you play it the next time.
- [PBC] (VCD only) | Turn PBC on or off.
DVD Disc Menu Operation

You can set up some items in the DVD-VIDEO disc menu.

1 Touch illustrated area during playback.

Movie control screen appears.

2 Touch [Disc CTRL].

Menu Control screen appears.

3 Perform desired operation as follows.

- Enters selected item
  Touch [Enter].

- Enables direct operation
  Touch [Highlight] to enter the highlight control mode. See Highlight control (P.55).

- Moves the cursor
  Touch [▲], [▼], [◄], [►].

* These keys may not function depending on the disc.

Highlight control

Highlight control lets you control the DVD menu by touching the menu key directly on the screen.

1 Touch [Highlight] in the Menu Control screen.

2 Touch desired item on the screen.

NOTE

- The highlight control is cleared automatically if you do not operate for a constant time.
DVD Play Mode Setting
You can select DVD play mode.

1 Touch [Next] in the Menu Control screen.

   Menu Control 2 screen appears.

2 Touch the key which corresponds to desired setting item.

   Switches the subtitle language
   Touch [Subtitle]. Each time you touch this key, language is switched.

   Switches the audio language
   Touch [Audio]. Each time you touch this key, language is switched.

   Controls zoom ratio
   Touch [Zoom]. For details, see step2 in Zoom Control for DVD and VCD (P.56).

   Switches the picture angle
   Touch [Angle]. Each time you touch this key, picture angle is switched.

   Exits menu control
   Touch [Exit].

   Displays the Menu Control 1 screen
   Touch [Previous].

Zoom Control for DVD and VCD
You can enlarge Playback screen for DVD and VCD.

1 For VCD, touch illustrated area during playback.

   Movie control screen appears.

2 Touch [Disc CTRL].

   Zoom Control screen appears.

NOTE
• For DVD, please refer to DVD Play Mode Setting (P.56) to display the Zoom Control screen.

3 Perform desired operation as follows.

Switches zoom ratio
Touch [Zoom].
For DVD, changes the zoom ratio at 4 levels; Off, 2 times, 3 times, 4 times.
For VCD, changes the zoom ratio at 2 levels; Off, 2 times.

Scrolls the screen
Touch [▲], [▼], [◄], or [►] to scroll the screen in the direction you touch.

Exits menu control
Touch [Exit].

Displays the previous menu*
Touch [Return].

* This function may not be performed depending on the disc.

NOTE
• You cannot touch the menu keys directly on the screen when zooming.

**DVD Setup**
You can set up the DVD playback functions.

1 Touch [Video].
   Quick menu appears.
2 Touch [SETUP].
   SETUP Menu screen appears.
3 Touch [Source].
   Source SETUP Menu screen appears.
4 Touch [DVD SETUP] in the list.
   DVD SETUP screen appears.

5 Set each item as follows.

**Menu/Subtitle/Audio Language***
See Language setup (P.58).

**Dynamic Range Control***
Set the dynamic range.
Wide: The dynamic range is wide.
Normal: The dynamic range is normal.
Dialog (Default): Makes the total sound volume larger than other modes. This is effective only when you are using Dolby Digital software.

**Angle Mark**
Set an angle mark display.
ON (Default): An angle mark appears.
OFF: An angle mark does not appear.

**Screen Ratio***
Set the screen display mode.
16:9 (Default): Displays wide pictures.
4:3 LB: Displays wide pictures in the Letter Box format (having black stripes at the top and bottom of screen).
4:3 PS: Displays wide pictures in the Pan & Scan format (showing pictures cut at the right and left ends).

Continued
Parental Level*
See Parental level (P.59).

DISC SETUP
See Disc setup (P.59).

Stream Information
Displays the present source information.
The stream (Dolby Digital, Linear PCM, MPEG, WMA or AAC) appears.

* These items are disabled when a DVD is being played.

Language setup
This setting is for the language used in the menu, subtitle, and voice. You cannot setup these items during DVD playback.

1 Touch [SET] of the desired item; [Menu Language], [Subtitle Language], [Audio Language].
Language Set screen appears.

2 Enter the desired language code and touch [Enter].

For language code, refer to DVD Language Codes (P.140).
Sets the entered language and returns to the DVD SETUP screen.

NOTE
- To cancel the setup and return to the previous screen, touch [Cancel].
- To clear the entered code, touch [Clear].
- To set the DVD’s original language for audio language, touch [Original].
**Parental level**
Set a parental lock level to prohibit children to watch video. You cannot set a parental lock level during DVD playback.

1. Touch [SET] of [Parental Level].
   Parental Pass screen appears.

2. Enter the parental code and touch [Enter].
   Parental Level screen appears.

   **NOTE**
   - To cancel the setup and return to the previous screen, touch [Cancel].
   - To clear the entered code, touch [Clear].
   - Current parental lock level appears as [Level#].

3. Touch [◄] or [►] to select a parental lock level.

**Disc setup**
Performs setup when using disc media.

1. Touch [SET] of [DISC SETUP].
   DISC SETUP screen appears.

2. Select an option as follows.

   ![Setup Screen]

   **CD Read**
   Sets the motion of this unit when a music CD is played.
   1. (Default): Automatically recognizes and plays an audio file disc, a DVD or a music CD.
   2: Forcibly plays a disc as a music CD. Select [2] if you wish to play a music CD having a special format or if you cannot play a disc with the option [1] set.

   **On Screen DVD**
   Sets an on-screen display.
   Auto: When updated, information appears for 5 seconds.
   OFF (Default): Information does not appear.

   **NOTE**
   - [CD Read] is disabled when a disc is already in the unit.
   - You cannot play an audio file/VCD disc with the option [2] set. Also, you may not play some music CDs with the option [2] set.
Music/Video Basic Operation

Most functions can be controlled from the source control screen and playback screen.

NOTE

• Set the remote controller mode switch to AUD mode before starting operation, see Switching the operation mode (P.127).

• To connect the Android device with this unit, the cable (sold separately) and the profile which your Android device supports are necessary as follows:
  A To listen to music and watch video of APPS source
    – MHL device
    – KCA-MH100
    – Bluetooth profile: SPP
    – Application link setup: HDMI/MHL + BT
  B To listen to music of APPS source
    – Bluetooth profile: A2DP
    – Bluetooth profile: SPP
    – Application link setup: Bluetooth
  C To listen to music of Bluetooth Audio source (P.97)
    – Bluetooth profile: A2DP
    – Bluetooth profile: AVRCP

• 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:
  A To listen music and watch video with Lightning connector device
    – Lightning Digital AV Adapter
    – KCA-HD100
    – KCA-HD100
    – Lightning to USB Cable (accessory of the iPod/iPhone)
    – Bluetooth profile: SPP
    – iPod connection setup: HDMI + BT
  B To listen music with Lightning connector device
    – Lightning to USB Cable (accessory of the iPod/iPhone)
    – iPod connection setup: USB 1Wire
  C To listen music and watch video with 30-pin connector device (analog)
    – KCA-iP202
    – iPod connection setup: USB + AV-IN
  D To listen music with 30-pin connector device
    – KCA-iP102
    – iPod connection setup: USB 1Wire
  E To listen to music via Bluetooth
    – Bluetooth profile: A2DP
    – Bluetooth profile: SPP
    – iPod connection setup: Bluetooth
  F To listen to music of Bluetooth Audio source (P.97)
    – Bluetooth profile: A2DP
    – Bluetooth profile: AVRCP

• When connecting with Lightning Digital AV Adapter or Apple 30-pin Digital AV Adapter some applications can be controlled from this unit. The operable functions depend on the application.

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

• Some settings are necessary to meet the connected iPod/iPhone or Android device. See iPod/iPhone connection setup (P.76) or Application link setup (P.77).
See the following sections for each source operation.

- **Music CD** (P.61)
- **Disc media** (P.61)
- **USB device** (P.63)
- **iPod** (P.63)
- **Pandora** (P.71)
- **Apps** (P.74)

### Music CD and disc media

**NOTE**

- In this manual, “Music CD” will be referred to as the general CDs which include music tracks in.
- “Disc media” will be referred to as CD/DVD disc which includes audio, picture or video files.
- The screen shot below is for CD. It may be different from the one for disc media.

---

<table>
<thead>
<tr>
<th>Simple Control screen</th>
<th>List Control screen</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Simple Control screen" /></td>
<td><img src="image2.png" alt="List Control screen" /></td>
</tr>
</tbody>
</table>

1 **Information display**

Displays the following information.

- **Track #**: Each time you touch this area, display switches between current track number, text, etc.
- **►, ►►, ◄◄, ■, etc.**: Current play mode display
  
  The meanings of each icon are as follows; ► (play), ►► (fast forward), ◄◄ (fast backward), ◄► (search up), ◄◄ (search down), ■ (stop), ◄R (resume stop), II (pause).

2 **Movie display area/Control switching area**

Touch to switch between the Simple Control and List Control screen. (Only for Music file)

Touch to display Video screen. (Only for Video file)

3 **Multi function key**

Touch to switch the multi function menu. For details on the menu, see **Multi function menu (P.64)**.

4 **Multi function menu**

Various functions can be performed by using keys in this area. For details on the menu, see **Multi function menu (P.64)**.

5 **Sub function key**

Touch to display “Sub function menu” (7 in this table).

6 **Track information**

Displays the information of the current track.

For music CD and disc media, you can switch the current track information and the current folder list by touching the list switching key (8 in this table).

---

*Continued*
7 Sub function menu
Various functions can be performed by using keys in this area. For details on the keys, see Sub function menu (P.65).

8 Sub function/ List switching key
Touch to display “Sub function menu” (7 in this table).
Touch and hold to switch between the track list and the ID3 tag information (disc media only).

9 Searching file area (disc media only)
Touch to search the next/previous file.
Scrolling from center of display to left or right performs fast backward or fast forward. Each time you touch each area, the speed changes; standard, 2 times, 3 times. To stop fast backward/forward, touch center of the display.

10 Menu display area (disc media only)
Touch to display the Control screen. For details, see Movie Control (P.70).

11 Key display area (disc media only)
Touch to display the last control screen.

12 Screen setup display area
Touch and hold to display the screen control screen. See Monitor Screen Setup (P.106).
## USB device and iPod

### NOTE
- The screenshot below is for USB device. It may be different from the one for iPod.

<table>
<thead>
<tr>
<th></th>
<th>Simple Control screen</th>
<th>List Control screen</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Information display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Displays the following information.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- <strong>Current file name</strong>: Each time you touch this area, display switches between file number/folder number and file name.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- ➤, etc.: Current play mode display</td>
<td></td>
</tr>
<tr>
<td></td>
<td>The meanings of each icon are as follows; ➤ (play, searching), II (pause).</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Artwork/Control switching area</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch to switch between the Simple Control and List Control screen. (Only for Music file)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch to display Video screen. (Only for Video file)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Multi function key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch to switch the multi function menu. For details on the menu, see <a href="#">Multi function menu</a>.</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Multi function menu</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Various functions can be performed by using keys in this area. For details on the keys, see <a href="#">Multi function menu</a>.</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Sub function key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch to display “Sub function menu” (7 in this table).</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Content list</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Displays the list and content. The content of the list differ depending on the playback status and source.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>When you select the video source on the device connected with the Lightning connecter, the source is switched to Apps (P.74) automatically.</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Sub function menu</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Various functions can be performed by using keys in this area. For details on the keys, see <a href="#">Sub function menu</a>.</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Sub function/ List switching key</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch to display “Sub function menu” (7 in this table).</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Touch and hold to switch between the file list and the current file information.</td>
<td></td>
</tr>
</tbody>
</table>

Continued
9 Searching file area (Video file only)

- Touch to search the next/previous file.
- During slide show in USB mode, touching each area searches the next/previous music 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. This function is not available when there is no music file in the current folder.

10 Movie control display area

Touch to display the Movie control screen. For details, see Movie Control (P.70).

11 Key display area (Video file only)

Touch to display the last control screen.

12 Screen setup display area

Touch and hold to display the screen control screen. See Monitor Screen Setup (P.106).

Multi function menu

Music CD

Disc media

iPod

USB device

The following functions can be performed by using keys in this area.

[ ] (Only for disc media, iPod, and USB device)
Searches track/file. For details on search operation, see Search Operation (P.66).

[ ][ ]
Searches the previous/next track/file.

[ ]
Plays or pauses.

[ ] (Only for music CD and disc media)
Stops playback.

[ ] (Only for iPod and USB device)
Touch to disconnect the device. For details, see How to Play Media (P.17).

[ ] [ ] (Only for disc media and USB device)
Searches previous/next folder.
### Sub function menu

#### Music CD

<table>
<thead>
<tr>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
</tr>
</thead>
</table>

![Symbol] (CD/Audio and Visual Files/iPod/Apps Operation)

#### iPod

<table>
<thead>
<tr>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
</tr>
</thead>
</table>

#### Disc media

<table>
<thead>
<tr>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
</tr>
</thead>
</table>

#### USB device

<table>
<thead>
<tr>
<th>![Symbol]</th>
<th>![Symbol]</th>
<th>![Symbol]</th>
</tr>
</thead>
</table>

The following functions can be performed by using keys in this area.

### [ ]

Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence;
- **CD**: "track repeat", "repeat off"
- **iPod**: "song repeat", "all songs repeat", "repeat off"
- **Disc media, USB device**: "file repeat", "folder repeat", "repeat off"

### [ ] (Only for iPod and USB device)

Searches track from the album artwork list. For details on search operation, see [Search from album artwork (P.68)](#).

### [ ] [ ] (Only for music CD and disc media)

Fast forward or fast backward.

### [ ] [ ] (Only for iPod and USB device)

Plays the previous or next album in [Favorite list (P.69)](#).

### #:##:## or ##:##

For confirmation of play time.

During music CD playback, you can also confirm disc remaining time by touching time display. Each time you touch, the display switches between "P #:##:##" (track play time display) and "R ##:##" (disc remaining time).

### [ ]

Randomly plays all tracks in current folder/disc or in current playlist in the connected iPod. Each time you touch the key, random mode switches in the following sequence;
- **CD**: "track random", "random off"
- **Disc media, USB device**: "file random", "random off"
- **iPod**: "track random", "album random", "random off"

### Status bar in center (Only for iPod and USB device)

For confirmation of current playing position.

During USB device and iPod playback, you can drag the circle left or right to change the playing position.
Search Operation

You can search music or video files by the following operations.

NOTE
- If you use a remote controller, you can jump directly to the desired track/file with entering the track/folder/file number, play time, etc. For details, see Direct search mode (P.127).

List search

You can search tracks, folders, and files according to hierarchy.

1 Touch illustrated area.

List Control screen appears.

2 Touch desired track/file.

Playback starts.

NOTE
- For disc media, you can switch the file list and folder list by touching [ ].
- For disc media, you cannot display the list during random play and stop.

Other search

There are other search methods in order to narrow search for a song. This function is not available when music CD is the current source.

1 Touch [ ] in the control screen.
   The search type screen appears.

2 Touch desired search method.

USB device

The list sorted in the way you selected appears.

See the following sections for each operation.

- [Category List]: You can search a file by selecting category (P.67).
- [Link Search]: You can search a file of same artist/album/genre/composer as the current track (P.67).
- [Folder List]: You can search a file according to hierarchy (P.68).

NOTE
- For disc media, you can display the folder list directly by touching [ ].
Category search (Only for iPod and USB device)

1 Touch the desired category from the left part of the screen.

2 The list is sorted by selected category.

3 Touch desired song.
Playback starts.

NOTE
- To narrow the search you can select a letter from the alphabet list in the center of the display.
- For operations in the list screen, see Common Operation (P.22).

Link search (Only for iPod and USB device)

1 Touch the desired link from the left part of the screen. You can select from artist, album, genre and composer.

The link list corresponding to your selection appears.

NOTE
- The list is sorted by the way you selected.
  - Artist: Displays the album list of the artist.
  - Album: Displays all tunes of the current album.
  - Genre: Displays the artists list in which artists belong to the same genre.
  - Composer: Displays the album list of the composer of the current file.

2 Touch to select desired item in the list. Repeat this step until you find the desired file.

NOTE
- To narrow the search you can select a letter from the alphabet list in the center of the display.
- For operations in the list screen, see Common Operation (P.22).
Folder search (Only for disc media and USB device)

1 Touch the desired folder.

2 Touch desired item from the content list.
   Playback starts.

NOTE
• For operations in the list screen, see Common Operation (P.22).

Search from album artwork (Only for iPod and USB device)

You can search music files by selecting the album artwork.

1 Touch [ ].
   Sub function menu appears.

2 Touch [ ].
   Favorite screen appears.

3 Touch desired artwork in the upper line.

NOTE
• The key in the upper side of the screen functions differently depending on the status.
  – When [Load Albums] appears:
    You have not yet loaded any artwork. Touch the key to start loading.
  – When [Load More Albums] appears:
    Some artwork are not loaded. Touch the key to load all artwork. If you touch the key, the track being played may stop and another track may start playback.
  – When the key does not available:
    All artwork are already loaded.
4 Touch [▶] on the selected artwork. The first song in the album is played. In addition, you can create your original playlist from this screen. For details, see Favorite list (P.69).

NOTE
- After all tracks in the album are played, the same album is played again from the first track.
- The albums with no photo are not displayed.

Favorite list
You can create an original playlist of your favorite 10 albums by selecting album artworks.

1 Touch and drag the desired album artwork in the upper line to the lower line.

Selected album is registered to the favorite list.

NOTE
- The added album is placed on farthest right.
- You cannot register the same album already registered to the favorite list.
- Up to 10 albums can be registered to the list.

2 Touch the desired artwork in the favorite list.

The selected album is played and the control screen appears.

NOTE
- The favorite list is played to the right starting with the selected album.
- To delete the album from the favorite list, touch and drag it to the upper line.
- You can change the playing order of the favorite list by dragging the artwork in the list.
- The favorite list mode is canceled in the following situations.
  – Playing another album from other list (folder list, category list, etc.)
  – Playing another album by touching the artwork in the upper line in the artwork list screen.
- The favorite list mode resumes after disconnecting/connecting the device or turning on/off. File being played, playing time code, favorite list content, favorite list order, etc. resumes if file configuration of the device is not changed.
Movie Control

You can adjust the movie playback.

1 In the playback screen, touch illustrated area.

Movie control screen appears.

2 Touch [Disc CTRL]. (Disc media only)

Movie Control screen appears.

3 Perform desired operation as follows.

<table>
<thead>
<tr>
<th>Changes subtitle language</th>
<th>Touch [Subtitle].</th>
</tr>
</thead>
<tbody>
<tr>
<td>Changes audio language</td>
<td>Touch [Audio].</td>
</tr>
<tr>
<td>Exits the menu</td>
<td>Touch [Exit].</td>
</tr>
</tbody>
</table>
Pandora® Operation (region code 4 area only)

You can listen to the Pandora® on this unit by controlling the application installed in the iPhone, Android or BlackBerry.

**NOTE**
- Install the latest version of the Pandora® application on your iPhone, Android or BlackBerry. *(P.146)*
  - **iPhone:** Search for "Pandora" in the Apple App Store to find and install the most current version.
  - **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.
- When you first select Pandora as a source, the setting screen for the connection with the device installed the apps will appear. For the details, refer to Application link setup *(P.77)*.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Source launcher panel.
3. Touch [ ].
4. Touch [ Pandora].

---

1. **Information display**
   Displays text information of current content that is being played.

2. **Artwork/Control switching area**
   The artwork is displayed if available from current content. When the artwork is not available, "No Photo" is displayed.
   Touch to switch between the Simple Control and List Control screen.

3. **Multi function key**
   Touch to switch the multi function menu. For details on the menu, see Multi function menu *(P.72)*.

4. **Multi function menu**
   Various functions can be performed by using the keys in this area. For details on the keys, see Multi function menu *(P.72)*.

5. **Sub function key**
   Touch to display "Sub function menu" (7 in this table).

6. **Content information**
   Displays the information of the current content being played.

---

*Continued*
CD/Audio and Visual Files/iPod/Apps Operation

7 Multi function menu

The following functions can be performed by using keys in this area.

[ ] (Search)
Searches the station. For details on searching, see Station list screen (P.73).

[ ] (Thumbs down)
Thumbs down to the current track and skip to the next track.

[ ]
Plays or pauses the content of the current station/channel.

[ ]
Skips the current track.
(Note this function is disabled when the Pandora skip limitation is exceeded.)

[ ] (Thumbs up)
Registers the current content as favorite content.

[ ] (Bookmark Artist)
Bookmark an artist in the current content.

[ ] (Bookmark Song)
Bookmark a song in the current content.

8 Sub function/ List switching key

Touch to display “Sub function menu” (7 in this table).
Touch and hold to switch between the content list and the current content information.

Sub function menu

The following functions can be performed by using keys in this area.

Status bar in center
Displays the elapsed time since when you select the station and status bar which shows current location.

[ ]
Creates a new station based on an artist being played.

[ ]
Creates a new station based on a track being played.

Displays the genre list screen. For details on searching, see Genre list screen (P.73).
Genre list screen
You can perform the following functions from this screen.

The selected genre is created as a new station.

Station list screen
You can perform the following functions from this screen.

Selects the station
Touch the station name in the list.

Sort the list in alphabetical order
You can select the desired letter from the list which corresponds to the station name to help narrow the search.

Display the genre list
Displays the genre list.

Sort the list by date
Touch [ByDate]. The list is sorted to begin with the last registered station.

NOTE
• You can operate Pandora by using the remote controller. However, only playing, pausing, and skipping are available.
• You cannot select iPod as rear source when you select Pandora as main source in dual zone function.
CD/Audio and Visual Files/iPod/Apps Operation

Apps Operation

You can listen to music or watch video from the Apps operating on iPod touch/iPhone or Android.

NOTE

• When you first select APPS as a source, the setting screen for the connection with the device installed the apps will appear. For the details, refer to Application link setup (P.77).
• If the conditions below are satisfied, the touch keys will not appear, but the touch operation from the screen of the unit to the Android device becomes possible.
  – The unit and the Android device are connected with KCA-MH100 (sold separately) and over Bluetooth profile HID and SPP.
  – To enable the touch operation on this unit, install "Kenwood Smartphone Control" and start it.
    Search for "Kenwood Smartphone Control" in Google play to find and install the most current version.
• Depending on the app, the touch keys may not work or be displayed.

1 Press the <HOME> button.
2 Flick the screen left or right to select the Source launcher panel.
3 Touch [ ].
4 Touch [ ] APPS.

NOTE

• When you turn on the power and select apps as the source, the caution for the operation, watching video and listening music appears. With your acceptance, you can control apps, listen to music and watch video from apps when you are driving.

When the touch keys appear

- 1 2 3
- 1 2
- 3

1 2 3
When the touch operation is possible

1 [▶] [■] (iPod only) / [▶■]

Plays or pauses.

2 [←] [←]

Searches the previous/next file.
Touch and hold to fast backward/ forward. (iPod/ iPhone only)

3 Key display area

Touch to display the operation buttons. Touch again to erase them.
USB/iPod/DivX/Apps Setup

You can perform setup when using USB/iPod/DivX.

1 Touch [ ].
   Quick menu appears.

2 Touch [SETUP].
   SETUP Menu screen appears.

3 Touch [Source].

Source SETUP Menu screen appears.

4 Touch [USB SETUP], [iPod SETUP], [APPS SETUP] or [DivX VOD] in the list.
   Each setup screen appears.
   See the following section for each setting.

• USB setup (P.75)
• iPod setup (P.76)
• Apps setup (P.77)
• DivX® VOD (P.79)
iPod setup

1 Set each item as follows.

AudioBook Speed
Set the audio book playback speed. Select from [Slow], [Normal] (default), and [Fast].

Wide Screen*1
Set Wide Screen. Set [ON] (default) or [OFF].

On Screen iPod
Set how to display the information of the iPod.
Auto (Default): Information appears for 5 seconds when updated.
OFF: Does not display any information.

iPod Connection Setup*2
Sets the way to connect the iPod/iPhone with this unit.

*1 This setting is not available when an iPod is connected.
*2 This item can be set when in STANDBY source.

iPod/iPhone connection setup

1 Press the <HOME> button twice to the Source launcher panel.

2 Touch [ ].

3 Touch [ ] STANDBY].

4 Touch [ ].

5 Touch [SETUP].

6 Touch [Source].

7 Touch [iPod SETUP].

8 Touch [iPod Connection Setup] in the iPod SETUP screen. iPod connection setup screen appears.

9 Touch [CHANGE].

10 Set each item as follows.

USB + AV-IN
Select when connecting with KCA-iP202.

USB 1Wire
Select when connecting with KCA-iP102 or Lightning to USB Cable.

HDMI + BT
Select when connecting with KCA-HD100 and Lightning Digital AV Adapter.

Bluetooth
Select when connecting via Bluetooth only.

11 Touch [Next]. Confirmation screen appears.

12 Touch [Done].

13 Touch [ ].
NOTE
• For the details of the necessary cable and adapter to connect with iPod/iPhone, refer to Music/Video Basic Operation (P.60).
• When you select "HDMI + BT" or "Bluetooth" in step 10, 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.
• The setting of "iPod connection setup" is just for the unit and regardless of the account.

Apps setup

1 Set each item as follows.

APP Settings*
Makes the detailed setting of the device in which APPS are installed.
Screen Adjust
Touch [SET] to display the screen control screen. See Monitor Screen Setup (P.106).
APP interrupt volume (DNR8025BT)
Sets the volume level of the information from APP when it cuts in the music you are listening to.

* This item can be set when in STANDBY source.

Application link setup

1 Press the <HOME> button twice to the Source launcher panel.
2 Touch [ ].
3 Touch [ ].
4 Touch [ ].
5 Touch [SETUP].
6 Touch [Source].
7 Touch [APPS SETUP].
8 Touch [SET] on [APP Settings] in the APPS SETUP screen.
Application link setup screen appears.

9 Touch [CHANGE].
10 Select the device installed the apps.

iPod/iPhone
Select when using iPod/iPhone.

Android/Other
Select when using Android or BlackBerry device.

11 Touch [Next].
12 Select the way to connect the device with this unit.

When selecting [iPod/iPhone]

**USB + AV-IN**
Select when connecting with KCA-iP202.

**USB 1Wire**
Select when connecting with KCA-iP102 or Lightning to USB Cable.

**HDMI + BT**
Select when connecting with KCA-HD100 and Lightning Digital AV Adapter.

**Bluetooth**
Select when connecting via Bluetooth only.

When selecting [Android/Other]

**HDMI/MHL + BT**
Select when connecting with KCA-MH100.

**Bluetooth**
Select when connecting via Bluetooth only.

13 Touch [Next].
Confirmation screen appears.

14 Touch [Done].

**NOTE**

- For the details of the necessary cable and adapter to connect with iPod/iPhone and Android device, refer to *Music/Video Basic Operation (P.60)*.

- When you select “HDMI + BT,” “HDMI/MHL + BT” or “Bluetooth” in step 12, 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.

- When you select “iPod/iPhone” in Apps Setup, select “iPod” as the source, and select App on the iPod, the source of this unit is also changed to App automatically.

- The setting of “Application link setup” is just for the unit and regardless of the account.
DivX® VOD
This feature is available only for Central and South America sales area.

1 Set each item as follows.

DivX(R) Registration Code
Checks the registration code. This code is needed when making a disc which has DRM (Digital Rights Management).

DivX(R) Deactivation
Deregisters the unit which is already registered. After you touch the key, a confirmation message appears. Follow the message and complete the operation.

NOTE
- [DivX(R) Registration Code] is disabled when a DVD is being played.
- When downloading a DivX VOD file controlled by DRM, register the code appeared on the screen. Otherwise the file may not be able to play with this unit. Remaining number of viewing is displayed when playing a DivX VOD file with the viewing restriction. When the remaining number of viewing reached 0, a warning message appears and the file cannot be played.
Cloud Storage Operation

Starting procedure
Make preparations for allowing this unit to play the music files uploaded to Dropbox.

Preparation
• You must have a connection with the internet using Wi-Fi. See Wi-Fi Setup (P.28).
• You can use a user account when you have logged in the Owner or User.
• To use this service, a Dropbox account is required.

1 Upload music files to Dropbox.
2 In the Route Collector site, create a folder and playlist of the files to be played.
   For how to set the folder and playlist of the files to be played, refer to the website. http://www.route-collector.com/

Available content
Content that can be delivered or played by this unit are as follows:
• Audio file: MP3 (.mp3), AAC-LC (.m4a/ .aac), WMA (.wma), WAV (.wav), FLAC (.flac)
• Copyrighted content cannot be played.

Music Basic Operation
The music files uploaded to Dropbox can be played.

Preparation
• To play the files uploaded to Dropbox, setting is required. See Starting procedure (P.80).

1 Press the <HOME> button.
2 Flick the screen left or right to select the Source launcher panel.
3 Touch [ ].
4 Touch [ Storage].

Plays or pauses.
Searches the previous/next file.
Searches file. For details on search operation, see Category search (P.81).
The data base like the song information in the server is reorganized. Press it when you change the file in the Dropbox.
Touch to switch the multi function menu.
Touch to display “Sub function menu”. Touch and hold to switch between the file list and the current file information.
Repeats the current file. Each time you touch the key, repeat mode switches on or off.

Randomly plays all files in current folder or in current playlist.
Each time you touch the key, random mode switches in the following sequence; "file random" \(\text{\textit{O}}\) "random off"

For confirmation of play time.

Status bar in center
For confirmation of current playing position. You can drag the circle left or right to change the playing position.

Category search
You can search music files by the following operations.

1 Touch \(\text{\textit{Q}}\) in the control screen. The search type screen appears.
2 Touch the desired category from the left part of the screen.

3 The list is sorted by selected category.
4 Touch desired music file. Playback starts.

NOTE
- To narrow the search you can select a letter from the alphabet list in the center of the display.
- For operations in the list screen, see Common Operation (P.22).
Kenwood Wireless Link Operation

Starting procedure
By using the Wi-Fi function, media files can be shared with another media server device or client (player) device.

Preparation
• Turn on the function of Wi-Fi connection to a media server device or client device. See Wi-Fi Setup (P.28).

About Network connection
There are two types of network to connect to the media server device or the client (player) device.
• Wi-Fi access: The internet device that becomes the Wi-Fi access point is necessary. Smartphone and tablet PC can be connected through the Wi-Fi access point. See Wi-Fi Setup (P.28).
  – You cannot listen to music or watch video in the smartphone when its tethering function is in use.
• Wi-Fi hotspot: This unit becomes the Wi-Fi access point and can connect with smartphone and tablet PC. See Wi-Fi Hotspot Setup (P.30).

Media Server function
Plays the content stored in the USB memory connected to this unit via another network media player (client device).
• We confirmed normal operation using the following network media players (software):
  • Windows Media Player 12

Media Player function
Plays the content stored in another media server device via this unit.
• We confirmed normal operation using the following media servers (software):
  • Windows Media Player 12

Media Controller function
Allows you to handle the content stored in another media server device via this unit and play them on another network media player (client device).

Media Renderer function
Plays the content being operated on another media controller through this unit.

Available content
Content that can be delivered or played by this unit are as follows:
• Audio file: MP3 (.mp3), AAC-LC (.m4a/.aac), WMA (.wma), WAV (.wav), FLAC (.flac)
• Video file: MPEG-1/2 (.mpg/.mpeg/.m2p), MPEG-4 (.mp4/.m4v), WMV (.wmv/.m2ts), MKV (.mkv)
  • Copyrighted content cannot be played.
### Media Server function
Plays the content stored in the USB memory connected to this unit via another network media player (client device).

1. Press the <HOME> button.
2. Flick the screen left or right to select the Source launcher panel.
3. Touch [ ].
4. Touch [ Wireless Link].
5. Touch [DMS].

The server function is turned on.

6. **Connect from the client device.**
   Operate the client device to connect to the server.
   Server name: DNN9350BT, DNN9350BTM, DNR8035BT or DNR8035BTM.

### Media Player function
Plays the content stored in another media server device via this unit.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Source launcher panel.
3. Touch [ ].
4. Touch [ Wireless Link].
5. Connect to the media server.

A list of detected media servers is displayed.
Touch the server name of the server to connect.

6. **Select the content to play.**
Select the category of the content to play.
A list of detected content is displayed.
Kenwood Wireless Link Operation

 Plays screen

[▶] Plays or pauses.

[◄ ► ▶ ▼ ▼] Searches the previous/next file.

[○] Repeats the current file. Each time you touch the key, repeat mode switches on or off.

[○] Switches between music and video files.

#:##:## or ##:## For confirmation of play time.

Status bar in center
For confirmation of current playing position. You can drag the circle left or right to change the playing position.

[●] Touch to display “Sub function menu”. Touch and hold to switch between the file list and the current file information.

Media Controller function

Allows you to handle the content stored in another media server device via this unit and play them on another network media player (client device).

1 Press the <HOME> button.
2 Flick the screen left or right to select the Source launcher panel.
3 Touch [ ].
4 Touch [ Wireless Link].
5 Connect to the media server.

A list of detected media servers is displayed.
Touch the server name of the server to connect.

6 Select a network media player to be used for playback.

A list of detected network media players is displayed.
Touch the name of the network media player to be used for playback.
**Media Renderer function**

Plays the content being operated on another media controller through this unit.

1. Press the <HOME> button.
2. Flick the screen left or right to select the Source launcher panel.
3. Touch [ ].
4. Touch [Wireless Link].
5. Touch [DMR].

The Rendering function is turned on.

6. Establish connection from the media controller.
   Operate the media controller to connect to this unit.
   This unit: DNN9350BT, DNN9350BTM, DNR8035BT or DNR8035BTM.
Radio Operation

Radio Basic Operation

Most functions can be controlled from the source control screen.

NOTE

- Set the remote controller mode switch to AUD mode before starting operation, see Switching the operation mode (P.127).

1 PS/Station name display
Displays the PS name or station name.

2 Information display/Control switching area
Displays the following information.
- [FM1] etc.: Band display
- MHz/kHz: Frequency display
- Preset #: Preset number
Touch to switch between the Simple Control and List Control screen.

3 Multi function key
Touch to switch the multi function menu. For details on the menu, see Multi function menu (P.87).

4 Preset key/Multi function menu
Recalls the memorized station or channel. When touched for 2 seconds, stores the current receiving station or channel in memory.
When switched, various functions can be performed by using keys in this area.
For details on the menu, see Multi function menu (P.87).

5 Sub function key
Touch to display “Sub function menu” (7 in this table).
**6 Preset list**
Displays the list of preset stations or channels and the information.

**7 Sub function menu**
The following functions can be performed by using keys in this area.
- **Switches the band**: Touch [AM] or [FM].
- **Tunes in a station**: Touch [◄◄] [►►]. The method of frequency switching can be changed. See Seek mode.
- The bar in center (tuner only) shows the current frequency location.

**8 Sub function/ List switching key**
Touch to display “Sub function menu” (7 in this table).
Touch and hold to switch between the preset list and the information list.
In tuner mode, radio text plus will be displayed (for models with region code 2 or 3 only).

**Multi function menu**

<table>
<thead>
<tr>
<th>Key</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>[P1] - [P6]</td>
<td>Select the preset station. Touch for 2 seconds to store the current station into the preset memory.</td>
</tr>
<tr>
<td>[Q]</td>
<td>Displays the list of preset stations. For details on search operation, see <em>Selecting Operation (P.89)</em>.</td>
</tr>
<tr>
<td>[TI] (FM tuner only)</td>
<td>Sets the traffic information mode on. For details, see <em>Traffic Information (P.90)</em>.</td>
</tr>
</tbody>
</table>
| [SEEK] | Switches the seek mode in the following sequence; [AUTO1], [AUTO2], [MANUAL].  
  - AUTO1: Tunes in a station with good reception automatically.  
  - AUTO2: Tunes in stations in memory one after another.  
  - MANUAL: Switches to the next frequency manually. |
| [AME] | Selects the auto memory mode. For details, see *Auto memory (P.88)*. |
| [PTY] (FM tuner only) | Searches a program by setting program type. For details, see *Search by program type (P.89)*. |
| [MONO] (FM tuner only) | Select the Monaural reception. |
| [LO.S] (FM tuner only) | Turns the Local Seek function on or off. |
Memory Operation

Auto memory
You can automatically store stations with good reception to memory.

NOTE
• Auto memory terminates when 6 stations are stored or when all stations are tuned in.
• Auto memory ends automatically if you do not operate within 10 seconds.

1 Touch [ ].
   Sub function menu appears.

2 Touch desired band key.

3 Touch [ ] in the control screen.
   The multi function menu appears.

4 Touch [AME] in the multi function menu.

5 Touch [←] or [→] in the sub function menu.
   Auto memory starts.

Manual memory
You can store the current receiving station or channel in memory.

1 Select a station or channel you wish to store in memory.

2 Touch [P#] (#:1-6) in which you want to store the station or channel for 2 seconds until a beep sounds.
Selecting Operation

Preset select
You can list and select memorized station or channel.

Selecting from the multi function menu
1 Touch the desired number from P1 to P6.
   The unit will tune to the selected station or channel.

Selecting from the preset list
1 Touch illustrated area.
   List Control screen appears.
2 Touch and hold [P].
   Preset list appears.
3 Select a station or channel from the list.

NOTE
- Touching [P] and then [Preset List] displays the preset channel list. You can also select your desired channel from the list.

List select
You can select an ensemble from a list of memorized ensembles or select a service from a list of all services received.
1 Touch [ ] in the control screen.
   The multi function menu appears.
2 Touch [ ] in the multi function menu.
   List screen appears.
3 Select the desired content from the list.

Search by program type (FM tuner only)
You can tune to a station with a specific program type when listening to FM.
1 Touch [ ] in the control screen.
   The multi function menu appears.
2 Touch [PTY] in the multi function menu.
   TUNER PTY Mode screen appears.
3 Select a program type from the list.
4 Touch [Search].
   You can search a station of the selected program type.
Radio

Traffic Information

You can listen and watch the traffic information automatically when a traffic bulletin starts. However, this feature requires a Radio Broadcast Data System that includes the TI information.

1 Touch [ ] in the control screen.
   The multi function menu appears.
2 Touch [TI] in the multi function menu.
   Traffic information mode is set.

When the traffic bulletin starts
The Traffic Information screen appears automatically.

NOTE
- It is necessary to have Traffic Information function set to on in order to have the Traffic Information screen appear automatically.
- The volume setting during reception of traffic information is automatically stored. The next time the traffic information is received, this unit recalls the volume setting automatically.

Tuner Setup

You can set tuner related parameters.

1 Touch [ ].
   Quick menu appears.
2 Touch [SETUP].
   SETUP Menu screen appears.
3 Touch [Source].

Source SETUP Menu screen appears.

4 Touch [TUNER SETUP] in the list.
   TUNER SETUP screen appears.
5 Set each item as follows.
<table>
<thead>
<tr>
<th><strong>NEWS</strong></th>
<th>Sets a news bulletin interrupt time. Default is “OFF”.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AF</strong></td>
<td>When station reception is poor, automatically switches to the station that is broadcasting the same program over the same Radio Data System network. Default is “OFF”.</td>
</tr>
<tr>
<td><strong>Regional</strong></td>
<td>Sets whether to switch to the station only in the specific region using the “AF” control. Default is “OFF”.</td>
</tr>
<tr>
<td><strong>Auto TP Seek</strong></td>
<td>When traffic information station reception is poor, automatically searches for a station that can be received better. Default is “ON”.</td>
</tr>
<tr>
<td><strong>Language Select</strong></td>
<td>Selects a display language for the PTY function.</td>
</tr>
<tr>
<td><strong>Antenna Control</strong></td>
<td>Allows you to turn off the Radio Data System function to prevent the motor-driven antenna from extending. Default is “ON”.</td>
</tr>
</tbody>
</table>
Streaming Service Application

AUPEO! Application

You can listen to music on the online radio AUPEO!.

Preparation
- You need to connect to Internet using Wi-Fi. See Wi-Fi Setup (P.28).

1 Press the <HOME> button.
2 Flick the screen left or right to select the Network contents panel.
3 Touch [ ].
4 Touch [ Aupeo].
5 Select a genre.

Log in
By registering an account, you can listen to your favorite songs.

1 Touch [log in].
2 Enter the User Name and Password.
3 Touch [log in].
Play screen

![Screen Image]

**Play screen**

1. **Plays or pauses.**
2. **[Love]**
   - I like this song.
3. **[Skip]**
   - Play the next song.
4. **[Ban]**
   - I do not like this song.
5. **Select a sub genre.**
6. **[Mood]**
   - Music matching your mood.
7. **Select a new genre.**
8. **[FEATURED]**
   - Select a Featured Stations
9. **[GENRE STATIONS]**
   - Select a Genre Stations
10. **[ARTIST STATIONS]**
    - Create a station of your type by searching stations by the artist name.
11. **[Favorites]**
    - Edit the titles registered in Loves and Bans.
    - You can use this button only when you have logged in to this service.

Editing Favorites

You can edit the titles registered in Loves and Bans.

**Preparation**
- You can only use this function when you have logged in to this service.

1. **Touch [ ].**

   ![Favorites Navigation]

   - **Switches between Love and Ban.**
   - **Deletes this title.**
   - **Registers this artist as Ban.**
Bluetooth Control

Using the Bluetooth function, various functions can be used: listening to the audio file, making/receiving a call.

About the Smartphone/cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

**Version**
Bluetooth Ver. 3.0+EDR Certified

**Profile**
Smartphone/cell-phone:
- HFP (V1.6) (Hands Free Profile)
- SPP (Serial Port Profile)
- SDP (Service Discovery Profile)
- PBAP (Phonebook Access Profile)
- GAP (Generic Access Profile)

Audio player:
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)

**Sound codec**
- DNN9350BT/ DNN9350BTM: aptX, MP3, AAC, SBC
- DNR8035BT/ DNR8035BTM: MP3, AAC, SBC

**NOTE**
- For the smartphones/cell-phones verified for compatibility, access the following URL: http://www.kenwood.com/cs/ce/bt/
- The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard following the procedure prescribed by Bluetooth SIG. However, it may be impossible for such units to communicate with your smartphone/cell-phone depending on its type.

Registering and Connecting Bluetooth Unit

It is necessary to register the Bluetooth audio player or smartphone/cell-phone to this unit before using the Bluetooth function. You can register up to 5 Bluetooth units.

1. **Press and hold the < → > button.**

   Hands Free screen appears.

2. **Touch [ ]**.

   Bluetooth SETUP screen appears.

   See the following section for each setting.

   - Registering the Bluetooth Unit (P.95)
   - Connecting the Bluetooth unit (P.95)
   - Registering from the Bluetooth unit (P.96)
   - Change the PIN code (P.96)
Registering the Bluetooth Unit

Preparation
- You cannot register the Bluetooth unit when you are using the following sources: iPod, Bluetooth Audio, APPS, Pandora
- If you want to register the Bluetooth unit while using one of the above mentioned sources, send the connection request from the Bluetooth unit and register it.

1 Touch [Search].
   Searched Device List screen appears.

   **NOTE**
   - A new device cannot be registered if there are 5 registered Bluetooth units. Delete unnecessary registration. See Connecting the Bluetooth unit (P.95).
   - This unit is compatible with the Apple Easy Pairing function. When an iPod touch or iPhone is connected to this unit using Dock Connector to USB Cable, an authentication dialog appears. Performing operation for authentication on this unit or iOS smartphone registers the smartphone as a Bluetooth device.
   - If two Bluetooth units are connected, this unit will not start the search. In this case disconnect one of the Bluetooth units.

2 Select the Bluetooth unit to register from the list.

   **NOTE**
   - If the Bluetooth unit cannot be searched in step 1, you can search it again by touching [Search] in above screen.
   - Touch [Cancel] to cancel searching for the Bluetooth unit.

3 Enter PIN code form the cell-phone.

Connecting the Bluetooth unit

1 Touch the name of device to connect.
   Profile select screen appears.

   **NOTE**
   - If the icon is lighted, it means that the unit will use that device.

2 Set each profile as follows.

   **TEL (HFP)**
   Means that the Bluetooth unit is a smartphone/cell-phone.

   **Audio (A2DP)**
   Means that the Bluetooth unit is an audio player or smartphone/cell-phone with audio player.

   **NOTE**
   - If a device has been paired, the Bluetooth unit cannot be connected from the paired device.
   - Touching [Remove] of [Device Remove Confirm] removes registration information. After you touch the key, a confirmation message appears. Follow the message and complete the operation.
Registering from the Bluetooth unit

1. Search the unit ("DNN****") from your smartphone/cell-phone.
2. Input the PIN code in your smartphone/cell-phone.
   PIN code is set to "0000" as the default.

SSP (Secure Simple Pairing of Bluetooth 2.1 or later)

1. Search the unit ("DNN****") from your smartphone/cell-phone.
2. Confirm the request both on the smartphone/cell-phone and the unit.

Change the PIN code

1. Touch [PIN Code Set].
   PIN Code Set screen appears.
2. Input the PIN code
3. Touch [Enter].
Playing Bluetooth Audio Device

Bluetooth basic operation

1 Information display
Displays the name of the content information. If the information is not available, Bluetooth unit name is displayed.

2 Multi function menu
The functions of each key are as follows.
• [◄◄◄] [►►►]: Searches the previous/next content.*
• [►]: Plays.*
• [II]: Pauses.*
• [■]: Stops playback.*

3 Control switching area
Touch to switch between the Simple Control and List Control screen.

4 Content information
Displays the information of the current content.

5 Status bar
Displays the current play location, play time, and play mode.

* These items appear only when the audio player which supports AVRCP profile is connected.

NOTE
• If the operation keys do not appear, operate from the player.
• Depending on your smartphone/cell-phone or audio player, audio may be heard and controlled but text information may not appear.
• If the volume is too low, raise it on your smartphone/cell-phone or audio player.
**Using Hands-Free Feature**

You can make or answer a call with Hands-Free by connecting a smartphone/cell-phone with built-in Bluetooth connected to this unit.

1. **Making a call**

   1. Press and hold the < → > button.

   Hands Free screen appears.

**NOTE**

- If your cell-phone supports auto-download of phonebook but not downloaded automatically, follow the procedure above to download manually.
- See the instruction manual of your cell-phone for the operation.
- Up to 600 phone numbers can be registered for each registered cell-phone.
- Up to 32 digits can be registered for each phone number along with up to 50 characters representing a name. (50 is the number of alphabetical characters. Fewer characters can be input depending on the type of characters.)
- Depending on the type of your cell-phone, the following restrictions are placed:
  - The phonebook data cannot be downloaded normally.
  - Characters in the phonebook are garbled.
- To cancel downloading the phonebook data, operate the cell-phone.

**2. Select a dialing method.**

See the following table for each method.

<table>
<thead>
<tr>
<th>Select the cell-phone to use</th>
<th>Call by entering a phone number</th>
</tr>
</thead>
<tbody>
<tr>
<td>① Touch cell-phone name display.</td>
<td>① Touch [ ].</td>
</tr>
<tr>
<td>② Enter a phone number with number keys.</td>
<td>② Enter a phone number with number keys.</td>
</tr>
<tr>
<td>③ Touch [ ].</td>
<td>③ Touch [ ].</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Call using call records</th>
<th>Call using the phonebook</th>
</tr>
</thead>
<tbody>
<tr>
<td>① Touch [ ] (Incoming Calls), [ ] (Outgoing Calls), or [ ] (Missed Calls).</td>
<td>① Touch [ ].</td>
</tr>
<tr>
<td>② Select the phone number from the list.</td>
<td>② Select the name from the list.<em>1</em>2</td>
</tr>
<tr>
<td>③ Touch [ ].</td>
<td>③ Select the number from the list.</td>
</tr>
<tr>
<td>④ Touch [ ].</td>
<td>④ Touch [ ].</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Call using the preset number</th>
<th>Voice Recognition</th>
</tr>
</thead>
<tbody>
<tr>
<td>① Touch [Preset #] to start calling the corresponding phone number.</td>
<td>You can access the voice recognition function of the smartphone/cell-phone connected to this unit.</td>
</tr>
<tr>
<td>② Select the name from the list.<em>1</em>2</td>
<td>You can search a phone number in the smartphone/cell-phone phonebook by pronouncing a name. (The functionality depends on the cell-phone.)</td>
</tr>
<tr>
<td>③ Select the number from the list.</td>
<td>① Touch [ ] to Voice Recognition screen appears.</td>
</tr>
<tr>
<td>④ Touch [ ].</td>
<td>② Pronounce a name.</td>
</tr>
</tbody>
</table>

**When you connect two cell-phones**

- Touch [Device Name ] to select the phone you want to use.
*1 You can sort the list to begin with touched character.

- Characters with no corresponding name will not appear.
- During search, a non-accent character such as “u” is searched for instead of an accent character such as “ü”.

*2 You can set the list to arrange in the order of last name or first name. For details, see Hands-Free Setup (P.102).

**Voice Recognition**

You can access the voice recognition function of the smartphone/cell-phone connected to this unit.

You can search a phone number in the smartphone/cell-phone phonebook by pronouncing a name. (The functionality depends on the cell-phone.)

1. Press the <MENU> button.

**NOTE**
- This function is not displayed in the menu when you are operating an application. Press the <HOME> button to use this function.

2. Touch [Voice].

Voice Recognition screen appears.

3. Pronounce a name.

**Phone number preset**

You can register frequently used phone numbers to this unit.

1. Enter the number you want to register in Hands Free screen.

2. Touch [Preset 1], [Preset 2], or [Preset 3] for 2 seconds in the Hands Free screen.

NOTE
- If you edited the phonebook in your cell-phone, touch “Download” on top of the phonebook list in this unit to download it from your cell-phone. The phonebook in this unit will be updated with the latest downloaded data.
- While your car is moving, some functions are disabled for safety reasons. The keys associated with the disabled functions become ineffective if touched.
- The status icons such as battery and antenna displayed may differ from those displayed on the cell-phone.
- Setting the cell-phone in the private mode can disable the hands-free function.
Bluetooth Control

Answering a call

1 Touch \[ ก \] to answer a call or \[ ˌก \] to reject a call.

NOTE
• While monitoring the camera view, this screen does not appear even if a call comes in. To display this screen, press the <TEL> button or return the shift knob of car to the driver position.

Operation during a call

Adjust the receiver volume
Press the <▼> or <▲> button.

Switch the voice output
Touch \[ ก ] / \[ ˌก ] to switch the voice output between phone and speaker.

Sending DTMF tone signal
Touch [DTMF] to display the tone input screen. You can send tones by touching desired keys on the screen.

Call waiting
You can answer a second call while talking with the first caller by placing the first call on hold and switching to the second call. You can switch back and forth between first and second caller as well.

To answer the second call
Touch \[ ก ]. The first call is placed on hold and answers the second waiting call.

To switch back and forth between the first and second caller
Touch \[ ก ] again. Each time you touch \[ ก ], the caller is switched.

To terminate the first call
Touch \[ ก ]. The caller switches to the second caller.
Phone Number Search
You can search the address book in your cell phone for the number or the name, and make a call.

1 Touch [ ].
2 Select whether you search by Phonebook name or Phone number.
3 Enter the Phonebook name or Phone number.
4 Touch [TEL].
5 Touch [ ].

Enter the keyword using the voice recognition function. When "Speak now" is displayed, pronounce the keyword.
* You can use a user account when you have logged in the Owner or User.

When searched by Phonebook name

When searched by Phonebook number

The unit make a call.
Hands-Free Setup
You can perform various setup about hands-free function.

1 Touch [ ] on any screen.
2 Touch [SETUP].
   SETUP Menu screen appears.
3 Touch [Bluetooth].
   Bluetooth SETUP screen appears.
4 Touch [TEL SETUP].
   Hands-free SETUP screen appears.

5 Set each item as follows.

**Auto Response**
Set the ringing time interval until the system automatically answers a call.
OFF (Default): Automatic response is not available.
0-99: Set ringing time interval (second).

**Auto Pairing**
When set to "ON", the Apple Auto Pairing function is turned on to automatically register the iPod touch or iPhone connected to this unit.
ON (Default): Uses Apple Auto Pairing function.
OFF: Not uses Apple Auto Pairing function.

**Call Beep**
Select whether or not to beep upon receiving a call.
ON (Default): Beeps.
OFF: Not beeps.

**Phone Information Use**
Set whether to download phonebook for outgoing, incoming and missed calls list.
ON (Default): Yes.
OFF: No.
**Sort Order**
Set how to arrange the cell-phone phonebook.
- **First**: Arranges in the order of first name.
- **Last (Default)**: Arranges in the order of last name.

**Echo Cancel Level**
Adjust the level of echo cancellation.
Default is "1".

**Microphone Level**
Adjust the sensitivity of the telephone microphone. Default is "3".

**Noise Reduction Level**
Reduces the noises generated by surrounding environment without changing the microphone volume. Use this setting when the voice of caller is not clear. Default is "-10".

**[Restore]**
Resets the settings to the default settings.

*1 Either the time interval for automatic answer set on this unit or the time interval set on your smartphone/cell-phone, whichever is shorter takes effect.
Camera Control

When a CMOS-3xx (optional accessory) is connected, the camera can be controlled from this unit.

Preparation
- [NAV/APPs Key Longer than 1 Second] must be set to “CAM”. See User interface (P.107).

Camera Control

You can adjust the camera angle of the camera system and display of the guideline.

1. Press the <NAV>/ <APPs> button for 1 second.

Camera view screen appears.

2. Adjust each item as follows.

1. Guideline
   Pressing each time turns on or off the guideline display alternately.

2. Angle
   Pressing each time changes camera angles in the following order:
   Super wide view/ Wide view/ Overhead view/ Wide view + Top view/ Corner view

3. Clearing the Camera View display.
Monitor Screen Setup

You can adjust image quality of playback screen, background screen, etc.

1 Touch and hold the lower left area of any screen.

Screen Control screen appears.

2 Adjust each item as follows.

**Bright / Tint / Color / Contrast / Black / Sharpness**

Adjusts each item.

**Dimmer**

Select dimmer mode.

ON: The display and buttons dim.

OFF: The display and buttons do not dim.

SYNC (Default): Turns the dimmer function on or off when the vehicle light control switch is turned on or off.

NAV-SYNC: Turns the dimmer function on or off according to the Navigation Day/Night display setting. (DNN9350BT/DNN9350BTM)

**Mode (Playback screen only)**

Select screen mode.

Full: Full picture mode

Just: Justify picture mode

Zoom: Zoom picture mode

Normal: Normal picture mode

NOTE

• Adjusting items are different depending on the current source.

• You can perform this function only when you have applied the parking brake.

• The image quality can be set for each source.
System Setup

NOTE
• Each operation in this section can be started from the multi function menu.

1 Touch [ ] on any screen.
   Quick Menu screen appears.

2 Touch [SETUP].

3 Touch [System].

System screen appears.
See the following section for each setting.
• Set up the user interface (P.107)
• Set up security (P.109)
• Set up memory (P.109)

User interface
You can setup user interface parameters.

1 Touch [User Interface] in the list.
   User Interface screen appears.

2 Set each item as follows.

Beep
Turns the key touch tone on or off.
Default is “ON”.

Language
Select the language used for the control screen and setting items. See Language setup (P.108).

Text Scroll
Allows scrolling of text display on the source control screen. Select from “Auto”/“Once”/“OFF”.
Auto (Default): Scrolls the text automatically.
Once: Allows you to scroll the text only once automatically when updated.
OFF: Does not scroll the text automatically.

NAV Key Longer than 1 Second/
APPS Key Longer than 1 Second
You can set the operation performed when the NAV key is pressed for 1 second. Select from “V.OFF”/“CAM”.
V.OFF (Default): Turn the display off.
CAM: Switches to the front or rear view camera video display.*

Secondary (DNN9350BT/ DNN9350BTM)
Set whether to display the navigation information in the audio screen or vice versa. Default is “ON”.

Steering Remote Controller
Sets the desired function in the steering remote controller. See Learning function of steering remote (P.108).

* When you set [Front Camera] to OFF, the display will change to the rear view camera and when you set it to “CMOS-3xx”/ “Other”, the display will change to the front view camera. See Camera Setup (P.112)
Language setup

   Language Setting screen appears.

2 Set each item as follows.

   **GUI Language Select**
   Select the language used for the GUI and input methods.

   **Navigation Language Select (DNN9350BT/ DNN9350BTM)**
   Select the language used for navigation.

   **STT**
   Select the language used for Speech to Text (STT).

   **TTS**
   Select the language used for Text to Speech (TTS).

3 Touch [Enter].

   **NOTE**
   • To cancel the language setup, touch [Cancel].

Learning function of steering remote
This function is available only when your vehicle is equipped with the electrical steering remote controller.

If your steering remote controller is not compliant, learning may not be completed and error message may appear.

   Steering Remote Controller Setting screen appears.

2 Press the steering remote controller button you want to set the function.

   **NOTE**
   • You can have the unit learned all buttons at a time. In that case, press the all buttons one at a time and after pressing all of them, touch [Done] in Steering Remote Controller Setting screen. However, new functions cannot be learned after this operation.

3 Touch the function you want to set.

4 Repeat steps 2 and 3 as necessary.

5 Touch [Done].

   **NOTE**
   • When changing the function already learned, touch the button you want to change in step 2 and then touch to select the changed function from the function list.
   • Confirm the contents of the settable function on the function list. You cannot edit the function list.
   • To initialize the contents, touch [Initialize] of [Steering Remote Controller] in User Interface screen. After you touch [Initialize], a confirmation message appears. Follow the message and complete the operation.
**Setting Up**

### Security setup
A red indicator will blink on the unit after the ACC is set to OFF, warning potential thieves. If turned to “ON” (default), the security indicator on the front panel flashes when the vehicle ignition is off.

   Security screen appears.

2. Touch [ON] or [OFF] of [SI].

### Setup memory
Audio Control, AV-IN SETUP, Camera, and Audio SETUP settings can be memorized. The memorized settings can be recalled at any time. For example, even when the settings are cleared due to replacement of the battery, the settings can be restored.

   SETUP Memory screen appears.

2. Follow the instruction on the screen.

   **[Lock] / [Unlock]**
   Locks or unlocks the AV-IN SETUP, and Audio SETUP settings.

* When [Lock] is selected, you cannot change the AV-IN SETUP, and Audio SETUP settings. Also, the locked key mark is displayed under each setting icon in the setup menu.

3. Follow the instruction on the screen.

   **Yes**
   Memorizes or recalls the settings.

   **No**
   Cancels the function or memorization.
   The SETUP Menu screen appears again.

   **Recall**
   Recalls the memorized settings.

   **Memory**
   Memorizes the current settings.

   **Clear**
   Clears the currently memorized settings.

   **Cancel**
   Cancels memorization/recalling of settings.
Display Setup

1 Touch [ ] on any screen.
2 Touch [SETUP].
   SETUP Menu screen appears.
3 Touch [Display].

Display screen appears.
See the following section for each setting.
- Control monitor angle (P.110)
- Adjust panel color (P.111)

Monitor angle control
You can adjust the angle of the monitor.

1 Touch [Angle] in the Display Menu screen.
   Angle setup screen appears.
2 Select a number below an angle that will best suit your monitor viewing.

Default is “0”.

NOTE
- You can store the current monitor angle as the angle during power off. Touch [Memory] when the desired angle is selected.
Panel color coordinate
You can set the button illumination color. The selectable items differ depending on the unit.

1 Touch [Color] in the Display Menu screen.
   Color screen appears.

2 Touch [SET] of [Panel Color Coordinate].
   Panel Color Coordinate screen appears.

**NOTE**
- You can touch [SET] or [Initialize] when [Panel Color Scan] is set to off.
- Touch [Initialize] to reset the settings to the default settings.

3 Touch the desired color.

Registering original color
You can register your original color.

1 Touch [Adjust] in the Panel Color Coordinate screen.
   Panel Color RGB Coordinate screen appears.

2 Use [<] and [>] to adjust each color value.

3 Touch the desired preset key for 2 seconds.

Panel color scan
You can set the panel color to continuously scan through the color spectrum.

1 Touch [ON] of [Panel Color Scan] in the Color screen.
   Panel Color Scan is set to on.
Navigation Setup (DNN9350BT/ DNN9350BTM)

You can set navigation parameters.

1 Touch [ ] on any screen.

2 Touch [SETUP].

   SETUP Menu screen appears.

3 Touch [Navigation].

   Navigation SETUP screen appears.

4 Set each item as follows.

   **NAV Interrupt Speaker**
   Select speaker(s) used for voice guidance of the navigation system.
   - Front L: Uses the front left side speaker for voice guidance.
   - Front R: Uses the front right side speaker for voice guidance.
   - Front All (Default): Uses both front speakers for voice guidance.

   **NAV Voice Volume**
   Adjust the volume for voice guidance of the navigation system. Default is "20".

   **NAV Mute**
   Mutes the volume of rear speakers during voice guidance of the navigation system. Default is "ON".

Camera Setup

You can set camera parameters.

1 Touch [ ] on any screen.

2 Touch [SETUP].

   SETUP Menu screen appears.

3 Touch [Camera].

   Camera SETUP screen appears.

4 Set each item as follows.

   **R-CAM Interruption**
   Adjust the volume for voice guidance of the navigation system. Default is "ON".

   **R-CAM Settings**
   Mutes the volume of rear speakers during voice guidance of the navigation system. Default is "ON".
**Rear Camera***1

Select the type of rear camera to use.

CMOS-310: When the CMOS-3xx series with ID 1 set is connected.

Other (Default): When the other camera is connected.

**R-CAM Interruption**

Set a method for switching the display. Setting values are ON and OFF.

ON: Switches to the rear view camera video display when shifting to reverse or pressing the <NAV>*4/ <APPS>*4 button for 1 second.

OFF (Default): Switches to the rear view camera video display when pressing the <NAV>*4/ <APPS>*4 button for 1 second.

**R-CAM Settings***2

Adjust the CMOS-3xx series with ID 1 set. For details, see the instruction manual of your camera.

**Front Camera***1

Select the type of front camera to use.

CMOS-310: When the CMOS-3xx series with ID 2 set is connected.

Other: When the other camera is connected.

OFF (Default): When the front camera is not used.

**F-CAM Settings***3

Adjust the CMOS-3xx series with ID 2 set. For details, see the instruction manual of your camera.

---

*1 These settings become settable only when the parking brake is on.

*2 This setting becomes settable only when the parking brake is on and the CMOS-3xx series is selected.

*3 This setting becomes settable only when the parking brake is on and “Front Camera” is set to [ON].

*4 [NAV/APPS Key Longer than 1 Second] must be set to “CAM”. See User interface (P.107).


**Setting Up**

### Software Information

Check the software version of this unit.

1. Touch [ ] on any screen.
2. Touch [SETUP].
   SETUP Menu screen appears.
3. Touch [Software].
   Software Information screen appears.

**NOTE**

- For how to update the software, see the relevant update procedure manual which comes with the software.

**Notify the update**

When the program is updated you will be notified by the [ ] icon on the status bar.

**Preparation**

- You need to connect to Internet.

---

**Minor update**

If it is the minor update you can update the program via the Internet.

1. Drag the status bar downward.
2. Touch [Download] to start download.
3. Touch [Detail] to display details.

**Preparation**

- You need to connect to Internet.

When the update is complete “Update completed” appears.
**AV Input Setup**

You can set AV input parameters.

1. Touch [ ] on any screen.
2. Touch [SETUP].
   SETUP Menu screen appears.
3. Touch [Source].

4. Touch [AV-IN SETUP] in the list.
   AV-IN SETUP screen appears.
5. Set each item as follows.

   **AV-IN1 Name / AV-IN2 Name**
   Set a name to be displayed when you select a system that is connected via the AV INPUT port. Default is "VIDEO".

**AV Output Interface Setup**

You can select an AV source to be output at the AV OUTPUT port. Default is “VIDEO1”.

1. Touch [ ] on any screen.
2. Touch [SETUP].
   SETUP Menu screen appears.
3. Touch [AV-OUT].

   AV-OUT Interface screen appears.
4. Touch [►] or [▼] to set [AV-OUT] to VIDEO, DISC, iPod, or OFF.

**NOTE**
- You can select “iPod” only when iPod is connected to this unit with KCA-iP202. For the connection setting, refer to iPod/iPhone connection setup (P.76).
Controlling Audio

NOTE
• Each operation in this section can be started from the multi function menu.

You can adjust the various settings such as audio balance or subwoofer level.

1 Touch [ ] on any screen.

2 Touch [Audio].

Audio screen appears.

See the following section for each setting.

• Setting audio (P.116)
• Controlling audio (P.120)
• Controlling equalizer (P.121)
• Controlling sound effect (P.122)
• Performing zone control (P.124)
• Set listening position (P.124)

Setting Audio

1 Touch [ ] on any screen.

2 Touch [Audio].

Audio screen appears.

3 Touch [Audio SETUP].

Audio SETUP screen appears.

See the following section for each setting.

• Set up speakers (P.117)
• Set up your car type (P.119)
• Select DSP (P.120)
Speaker setup
You can select a speaker type and its size to get the best sound effects.
When the speaker type and size are set, the speaker crossover network is set automatically.

1 Touch [Speaker Select] in the Audio SETUP screen.
   Speaker Select screen appears.

2 Touch the speaker you wish to adjust and set each item as follows.

   Tweeter
   You can set the tweeter when you are selecting front speakers.
   None, Small, Middle, Large

   X’over
   Displays the speaker crossover setup screen.
   You can adjust the crossover setup that was set automatically when you selected the speaker type.
   For details, see Crossover network setup (P.118)

3 Select a speaker size using [◄] and [►]. The speaker size is different depending on the speaker type and the unit.

   Front
   OEM, 8 cm, 10 cm, 12 cm, 13 cm, 16 cm, 17 cm, 18 cm, 4x6, 5x7, 6x8, 6x9, 7x10

   Rear
   None, OEM, 8 cm, 10 cm, 12 cm, 13 cm, 16 cm, 17 cm, 18 cm, 4x6, 5x7, 6x8, 6x9, 7x10

   Subwoofer
   None, 16 cm, 20 cm, 25 cm, 30 cm, 38 cm over

   NOTE
   • Select “None” if you have no speakers.

When Speaker network is set to 3 way.
Region code 3 area

   Tweeter
   Small, Middle, Large

   Mid Range
   OEM, 8 cm, 10 cm, 12 cm, 13 cm, 16 cm, 17 cm, 18 cm, 4x6, 5x7, 6x8, 6x9, 7x10

   Woofer
   None, 16 cm, 20 cm, 25 cm, 30 cm, 38 cm over

   NOTE
   • For how to switch to the 3-way speaker system, see 3 way speaker system setup (P.26) in the Quick Start Guide. Connecting 3-way speakers with the 2-way mode selected can break the speakers.
   • Select “None” if you have no speakers.
**Crossover network setup**
You can set a crossover frequency of speakers.

1. Touch the speaker to set the crossover in the Speaker Select screen.
2. Touch [X’over].
   X’over screen appears.
3. Set each item as follows.

   ![X'over screen](image)

   **TW (Tweeter) Gain** *1*
   Adjust the tweeter level. (When front is selected on Speaker Select screen)

   **Gain**
   Adjust the front speaker, rear speaker, or subwoofer level.

   **Phase** *2*
   Set the phase of subwoofer output.  
The phase is reversed 180 degrees when set to “Reverse”. (When subwoofer is selected on Speaker Select screen)

   **HPF FREQ**
   High Pass Filter adjustment. (When front or rear speaker is selected on Speaker Select screen)

   **LPF FREQ**
   Low Pass Filter adjustment. (When woofer is selected on Speaker Select screen)

   **Slope** *3*
   Set a crossover slope.

---

*1 Only when “Tweeter” is set to “Small”, “Middle”, “Large” in <Speaker Setup>.
*2 Only when “Subwoofer” is set to a mode other than “None” in <Speaker Setup>.
*3 Only when “LPF FREQ”/“HPF FREQ” is set to a mode other than “Through” in <X’over>.

---

**When Speaker network is set to 3 way:**
Region code 3 area

![Range switching area (graph)](image)

**Range switching area (graph)**
Selects the band for setting gain, frequency filter, and slope.
Touch the left arc to set the LPF, the center arc to set the BPF, and the right arc to set the HPF.

**Phase**
Sets the phase of tweeter, mid range, and woofer output.
The phase is reversed 180 degrees when set to “Reverse”.

**Gain**
Sets gain of each speaker.

**HPF FREQ**
High Pass Filter adjustment. (When tweeter is selected on Speaker Select screen)

**BPF FREQ**
Band Pass Filter adjustment. (When mid range speaker is selected on Speaker Select screen)

**LPF FREQ**
Low Pass Filter adjustment. (When woofer is selected on Speaker Select screen)

**Slope**
Sets a crossover slope.

---

**NOTE**
- For how to switch to the 3-way speaker system, see [3 way speaker system setup (P.26)] in the Quick Start Guide. Connecting 3-way speakers with the 2-way mode selected can break the speakers.
Car type setup
You can setup the car type and speaker network, etc.

1  Touch [Car Type] in the Audio SETUP screen.
   Car Type screen appears.

2  Select your car type from the list.

   NOTE
   • If your car type is selected, the Delay Time Alignment is set automatically (for timing adjustment of sound output for each channel) to have the highest surround effects.

Speaker location setup
1  In the Car Type screen, touch [Location].
   Speaker Location screen appears.

2  Select the speaker locations using [►].

   Front Speaker
   Select the location from “Door”/“On Dash”/“Under Dash”.

   Rear Speaker
   Select the location from “Door”/“Rear Deck”, “2nd Row”/“3rd Row” (Minivan, Minivan (Long)).

When Speaker network is set to 3 way.
Region code 3 area

   Mid Range
   Select the location from “Door”/“On Dash”/“Under Dash”.
Controlling Audio

■ DSP select
You can select whether using DSP (Digital Signal Processor) System.


- Bypass
There is no effect by DSP.

- Through
There is an effect by DSP.

NOTE
• When the mode is set to [Bypass], DSP System cannot be adjusted.

Controlling General Audio

1 Touch [ ] on any screen.
2 Touch [Audio].
Audio screen appears.
3 Touch [Audio Control].

4 Set each item as follows.

- Fader # / Balance #
Adjust the volume balance around the touched area.  
[<] and [>] adjust the right and left volume balance.  
[▲] and [▼] adjust the front and rear volume balance.

- Volume Offset*
Finely adjust the volume of the current source to minimize the difference in volume between different sources.

- Subwoofer Level
Adjust the subwoofer volume. This setting is not available when subwoofer is set to “None”. See Speaker setup (P.117).

- Bass Boost
Set the amount of bass boost among “OFF”/“Level1”/“Level2”/“Level3”.

* If you have increased the volume first, then
Controlling Audio

reduced the volume using the “Volume Offset”, the sound generated if you suddenly switch to another source may be extremely loud.

Equalizer Control

You can adjust equalizer by selecting the optimized setting for each category.

1 Touch [ ] on any screen.
2 Touch [Audio].
   Audio screen appears.
3 Touch [Equalizer].

Controlling EQ curves

1 Select EQ curve from [Natural], [Rock], [Pops], [Easy], [Top40], [Jazz], [Powerful], [iPod], and [User].

Controlling equalizer manually

The Graphic Equalizer cannot be set when you select [iPod] in the Equalizer screen.

1 Touch [EQ] in the Equalizer screen.
2 Touch the screen and set the Graphic Equalizer as desired.

Gain level (light green boxed area)

Adjust the gain level by touching the each frequency bar. Touching [ ], [ ], [ ] and [ ] can also adjust the level. Use [ ] and [ ] to select a frequency, and [ ] and [ ] to set the level.

EQ INIT

Returns to the previous level which the gain level is adjusted.

Flat

Tone curve becomes flat.

Bass EXT (Bass Extend Settings)

When turned on, the frequency lower than 62.5 Hz is set to the same gain level as 62.5 Hz.

Loudness

Set the amounts of boost of low and high tones. “OFF”, “Low”, “High”

SW Level

Adjust the subwoofer volume. This setting is not available when subwoofer is set to “None”. See Speaker setup (P.117).

NOTE

• [iPod] is available only during iPod source.
Return to the Top page
Controlling Audio

Sound Effect

You can set sound effects.

1 Touch [ ] on any screen.
2 Touch [Audio].
   Audio screen appears.
3 Touch [Sound Effect].
   Sound Effect screen appears.

See the following section for each setting.
• Set space enhancer  \( \text{(P.122)} \)
• Set Drive Equalizer +/ Drive Equalizer \( \text{(P.123)} \)
• Set up elevation \( \text{(P.123)} \)
• Set up realizer or supreme \( \text{(P.123)} \)

Space Enhancer

1 Touch [Space Enhancer] in the Sound Effect screen.

Space Enhancer screen appears.

2 Touch [Small], [Large], or [OFF].
   Each setting value indicates the soundscape level.

NOTE
• This setting is not available during Radio and Digital Radio source.
Drive Equalizer +
(DNN9350BT/ DNN9350BTM)/
Drive Equalizer
(DNR8035BT/ DNR8035BTM)

Drive Equalizer+: The sound quality is automatically optimized to meet the current car speed by GPS.
Drive Equalizer: The sound quality is automatically optimized to meet the current volume level.

1 Touch [ON] or [OFF] of [Drive EQ+/ Drive EQ].

Elevation

You can raise the sound position heard from the speakers virtually.

1 Touch [Elevation] in the Sound Effect screen.

Elevation screen appears.

2 Select Elevation level from [High], [Low], and [OFF].

Realizer and Supreme

You can restore the sound lost due to audio compression to a realistic sound.

1 Touch the screen in the Sound Effect screen.

Realizer

Realizer is sound enhancement and boosting low frequencies (bass boost).
Select the level from “OFF”/“Level1”/“Level2”/“Level3”.

Supreme

Turns ON/OFF the Supreme function.
Technology to extrapolate and supplement with proprietary algorithm, the high-frequency range that is cut off when encoding.
This function works on DVD MEDIA, USB and iPod sources.
Zone Control

You can select different sources for both front and rear positions in the vehicle.

1 Touch [ ] on any screen.
2 Touch [Audio].
   Audio screen appears.
3 Touch [Zone Control].
   Zone Control screen appears.
4 Touch [Dual Zone].
5 Set each source as follows.

   [►] (Front Source, Rear Source)
   Select the audio source for each.

   [▼], [▲] (Rear VOL.)
   Adjust the rear channel volume.

   [Single Zone]
   Touch to turn off the dual zone function.

NOTE
- When the rear speaker sound is switched, the audio source that is output at the AV OUTPUT terminal is also switched to the same source.
- When the dual zone function is set to on, the following functions are not available.
  - Output from the subwoofer
  - Subwoofer Level/Bass Boost (P.120)
  - Equalizer Control/Sound Effect/Listening Position (P.121, 122, 124)
  - DSP Bypass Control/Speaker Setup/Car Type Setup (P.120, 117, 119)

Listening Position

You can adjust the sound effects according to your listening position.

1 Touch [ ] on any screen.
2 Touch [Audio].
   Audio screen appears.
3 Touch [Position].
   Position screen appears.
4 Select listening position from [Front R] (Right front), [Front L] (Left front), [Front All] (All front), and [All] using [◄] and [►].

Position DTA Control
You can fine-adjust your listening position.

1 In Position screen, touch [Adjust].
2 Select the speaker you wish to adjust by touching speaker icon.
3 Set DTA as follows.

[◄], [►]
Adjust the settings of the DTA position.

Gain
Touch to adjust the gain of each speaker.

NOTE
- Make fine adjustment of the delay time of the speaker output specified here to have a more suitable environment for your vehicle.
- If you specify the distance from the center of the currently set listening position to every speaker, the delay time will be automatically computed and set.

① Determine the center of the currently set listening position as the reference point.
② Measure the distances from the reference point to the speakers.
③ Calculate the differences between the distance of the furthest speaker and other speakers.
④ Input the differences calculated in step 3 for individual speakers.
⑤ Adjust gain for individual speakers. A sound image will be shifted to the speaker with increased gain.

Example: When [Front All] is selected as the listening position

<table>
<thead>
<tr>
<th>Speaker</th>
<th>Distance</th>
<th>Difference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front L</td>
<td>80 cm</td>
<td>+70 cm</td>
</tr>
<tr>
<td>Front R</td>
<td>150 cm</td>
<td>+100 cm</td>
</tr>
</tbody>
</table>
Remote Control

This unit can be operated using the remote control.

⚠️ CAUTION
- 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.

Battery Installation

If the remote control operates only over shorter distances or does not operate at all, it is possible that the batteries are depleted.
In such instances, replace the both batteries with new ones.

1 Insert two “AAA”/“R03”-size batteries with the + and − poles aligned properly, following the illustration inside the case.
Functions of the Remote Control Buttons

Switching the operation mode
The functions operated from the remote control differ depending on the position of the mode switch.

AUD mode
Switch to this mode when controlling a selected source or tuner source, etc.

DVD mode
Switch to this mode when playing a disc media including DVD, VCD, and CD.

NAV mode
Switch to this mode when controlling navigation function.

NOTE
- When controlling a player that is not integrated in the unit, select “AUD” mode.

Direct search mode
Using the remote control, you can jump directly to the desired file, track chapter, etc. with entering the number corresponding to the content.

NOTE
- This operation cannot be performed for USB device and iPod.

1 Press the <#BS> button several times until the desired content appears.
The available contents are different depending on the source.

DVD
Title number/Chapter number/Play time/Item number*
* You may not be able to use this function with some discs or scenes.

VCD 1.X and 2.X (PBC OFF)
Track number

VCD 2.X (PBC ON)
Scene number/number

Music CD
Track number/Play time

Audio files
Folder number/File number

Radio
Frequency value

2 Enter the number of the content you want to play using the numeric keypad.

3 For DVD or VCD, press the <POSITION>/<▶Ⅱ> button.
For music CD or audio files, press the <POSITION>/<▶Ⅱ> button.
For radio, press the <◄> or <►> button.
The content you entered is played.

127
<table>
<thead>
<tr>
<th>Key Name</th>
<th>Location of the mode switch</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 SRC</td>
<td>AUD, DVD</td>
<td>Switches to the source to be played. In hands-free mode, hangs up the phone.</td>
</tr>
<tr>
<td>2 NAV</td>
<td>–</td>
<td>Switches between the navigation and the source screens.</td>
</tr>
<tr>
<td>3 MENU/■</td>
<td>DVD</td>
<td>Stops playing and memorizes the last point where the disc stopped. The last point is deleted by pressing twice.</td>
</tr>
<tr>
<td>4 OUT, IN</td>
<td>NAV</td>
<td>Displays Main menu.</td>
</tr>
<tr>
<td>5 POSITION/■II</td>
<td>AUD, DVD</td>
<td>Pauses the track or file, and resumes playing by pressing twice. During radio source in AUD mode, switches the seek mode.</td>
</tr>
<tr>
<td>6 Cursor Key</td>
<td>DVD</td>
<td>Moves the cursor in the DVD menu.</td>
</tr>
<tr>
<td>7 ENTER</td>
<td>NAV</td>
<td>Displays the current position.</td>
</tr>
<tr>
<td>8 ROUTE M/ TOP MENU</td>
<td>AUD</td>
<td>Screen mode changes each time you press this key during video playback.</td>
</tr>
<tr>
<td></td>
<td>DVD</td>
<td>Returns to the DVD top menu.</td>
</tr>
<tr>
<td></td>
<td>NAV</td>
<td>Displays Route Option menu.</td>
</tr>
<tr>
<td>Key Name</td>
<td>Location of the mode switch</td>
<td>Function</td>
</tr>
<tr>
<td>----------</td>
<td>----------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>9 VOICE/MENU</td>
<td>AUD</td>
<td>Switches navigation display on/off.</td>
</tr>
<tr>
<td></td>
<td>DVD</td>
<td>Displays the DVD menu. Turns the playback control on or off while playing VCD.</td>
</tr>
<tr>
<td></td>
<td>NAV</td>
<td>Speaks the voice guidance.</td>
</tr>
<tr>
<td>10 VIEW/V.SEL</td>
<td>AUD, DVD</td>
<td>Switches the AV source to be output.</td>
</tr>
<tr>
<td></td>
<td>NAV</td>
<td>Switches between 2D and 3D map displays.</td>
</tr>
<tr>
<td>11 MAP DIR/OPEN</td>
<td>AUD, DVD</td>
<td>Switches the display angle each time it is pressed.</td>
</tr>
<tr>
<td></td>
<td>NAV</td>
<td>Switches between the heading up navigation and north up navigation map displays.</td>
</tr>
<tr>
<td>12 ▲/▼/AM-/FM+</td>
<td>AUD, DVD</td>
<td>Selects the folder to be played. During radio source in AUD mode, switches the bands to be received.</td>
</tr>
<tr>
<td>13 ◀/&gt;/││││</td>
<td>AUD, DVD</td>
<td>Selects the track or file to be played. During radio source in AUD mode, switches to broadcast stations received by the unit.</td>
</tr>
<tr>
<td>14 Numeric Keypad</td>
<td>AUD</td>
<td>Specifies the number to search in direct search. For details on the direct search mode, see Direct search mode (P.127).</td>
</tr>
</tbody>
</table>
| | DVD | • Press [1] [2] to fast forward/backward. Switches the fast forward/backward speed each time you press this key.* 
| | | • Press [4] [5] to slow forward/backward. Switches the slow playback speed each time you press this key.* 
| | | *DVD only |
| 15 */+ / CLEAR | DVD | Clears the number. |
| 16 # BS/DIRECT | AUD, DVD | Switches to the direct search mode. For details on the direct search mode, see Direct search mode (P.127). |
| 17 AUDIO | DVD | Switches the voice language each time you press this key. |
| 18 CANCEL/RETURN | DVD | Displays previous screen. |
| | NAV | Cancels the operations. |
| 19 SUBTITLE | DVD | Switches the subtitle language. |
| 20 터널화 | – | When a call comes in, answers the call. |
| 21 ANGLE | DVD | Switches the picture angle each time you press this key. |
| 22 VOL ▲▼ | – | Adjusts the volume. |
| 23 ZOOM | DVD | Switches the zoom ratio (1, 2, 3, Off) each time you press this key. |
| 24 2 ZONE | AUD, DVD | Switches the Dual Zone function on and off. |
| 25 R.VOL ︿ ︿ | – | Adjusts volume at rear when the Dual Zone function is on. |
| 26 ATT | – | Lowers the volume by pressing the key once. Restores the previous volume by pressing the key twice. |
## Troubleshooting

### Problems and Solutions

If any trouble occurs, first check the following table for possible problems.

- Some functions of this unit may be disabled by some settings made on this unit.
- What might seem to be a malfunction in your unit may just be the result of slight misoperation or miswiring.

#### About settings

<table>
<thead>
<tr>
<th>Problem</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cannot set up the subwoofer.</td>
<td>Subwoofer is not set to on.</td>
<td>Set the subwoofer to on.</td>
</tr>
<tr>
<td>Cannot set up subwoofer phase.</td>
<td></td>
<td>See Speaker setup (P.117).</td>
</tr>
<tr>
<td>No output from the subwoofer.</td>
<td>The dual zone function is enabled.</td>
<td>Set the dual zone function to off. See Zone Control (P.124).</td>
</tr>
<tr>
<td>Cannot set up the low pass filter.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cannot set up the high pass filter.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cannot select the output destination of the subsrce in the dual zone.</td>
<td>The dual zone function is disabled.</td>
<td>Set the dual zone function to on. See Zone Control (P.124).</td>
</tr>
<tr>
<td>Cannot adjust the volume of the rear speakers.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cannot set up the equalizer.</td>
<td>The dual zone function is enabled.</td>
<td>Set the dual zone function to off. See Zone Control (P.124).</td>
</tr>
<tr>
<td>Cannot set up the crossover network.</td>
<td>&quot;DSP Select&quot; is set to &quot;Bypass&quot;.</td>
<td>Set &quot;DSP Select&quot; to &quot;Through&quot;. See DSP select (P.120).</td>
</tr>
</tbody>
</table>

#### About audio operations

<table>
<thead>
<tr>
<th>Problem</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radio reception is poor.</td>
<td>The car antenna is not extended.</td>
<td>Pull out the antenna all the way.</td>
</tr>
<tr>
<td></td>
<td>The antenna control wire is not connected.</td>
<td>Connect the wire correctly. See “Connection” in the Quick Start Guide.</td>
</tr>
<tr>
<td>Cannot play audio files stored in a disc.</td>
<td>&quot;CD Read&quot; is set to &quot;2&quot;.</td>
<td>Set “CD Read” to “1”. See Disc setup (P.59).</td>
</tr>
<tr>
<td>Cannot select a folder.</td>
<td>The random play function is enabled.</td>
<td>Turn off the random function.</td>
</tr>
<tr>
<td>Cannot perform repeat play during VCD playback.</td>
<td>The PBC function is enabled.</td>
<td>Turn off the PBC function.</td>
</tr>
<tr>
<td>The specified disc does not play, but another one plays instead.</td>
<td>The disc is quite dirty.</td>
<td>Clean the disc. See Precautions on handling discs (P.4).</td>
</tr>
<tr>
<td></td>
<td>The disc is severely scratched.</td>
<td>Try another disc instead.</td>
</tr>
</tbody>
</table>
### Troubleshooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The sound skips when an audio file is being played.</td>
<td>The disc is scratched or dirty.</td>
<td>Clean the disc. See <a href="#">Precautions on handling discs (P.4)</a>.</td>
</tr>
<tr>
<td></td>
<td>The recording condition is bad.</td>
<td>Record the file again or use another disc.</td>
</tr>
<tr>
<td>Audio is interrupted on AUPEO!</td>
<td>The communication environment is not stable.</td>
<td>Audio may be interrupted depending on the communication environment and this unit’s operation condition.</td>
</tr>
<tr>
<td></td>
<td>Audio is playing in the background.</td>
<td></td>
</tr>
</tbody>
</table>

### Other

<table>
<thead>
<tr>
<th>Problem</th>
<th>Reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Touch Sensor Tone doesn’t sound.</td>
<td>The preout jack is being used.</td>
<td>The Touch Sensor Tone cannot be output from the preout jack.</td>
</tr>
</tbody>
</table>

### Error Messages

When you fail to operate the unit correctly, the cause of the failure appears as the message on the screen.

<table>
<thead>
<tr>
<th>Error Message</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protect</td>
<td>Protective circuit has been activated because a speaker cord has shorted or it has come in contact with the car chassis.</td>
<td>Wire or insulate the speaker cord as appropriate and then press the &lt;Reset&gt; button (P.133).</td>
</tr>
<tr>
<td>Hot Error</td>
<td>When the internal temperature of this unit rises to 60°C or more, the protection circuit is activated and you may not be able to operate the unit.</td>
<td>Use the unit again after reducing the temperature of the unit.</td>
</tr>
<tr>
<td>Mecha Error</td>
<td>The disc player is malfunctioning.</td>
<td>Eject the disc and try inserting it again. Contact the Kenwood dealer if this indicator continues blinking or the disc cannot be ejected.</td>
</tr>
<tr>
<td>Disc Error</td>
<td>An unplayable disc is inserted.</td>
<td>Change the disc. See <a href="#">Playable Media and Files (P.134)</a>.</td>
</tr>
<tr>
<td>Read Error</td>
<td>The disc is quite dirty.</td>
<td>Clean the disc. See <a href="#">Precautions on handling discs (P.4)</a>.</td>
</tr>
<tr>
<td></td>
<td>Disc is upside down.</td>
<td>Load the disc with the labeled side up.</td>
</tr>
<tr>
<td>Region Code Error</td>
<td>The disc you wanted to play has a region code that cannot be played with this unit.</td>
<td>See <a href="#">Region Codes in the World (P.139)</a> or try another disc.</td>
</tr>
<tr>
<td>Parental Level Error</td>
<td>The disc you wanted to play has a higher level than the parental level you set.</td>
<td>Set the parental level. See <a href="#">Parental level (P.59)</a>.</td>
</tr>
<tr>
<td>Error Message</td>
<td>Cause</td>
<td>Solution</td>
</tr>
<tr>
<td>---------------------------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Error 07–67</td>
<td>The unit is not operating correctly due to some reason or other.</td>
<td>Push the unit’s Reset button. If the “Error 07–67” message does not disappear, see your nearest Kenwood dealer.</td>
</tr>
<tr>
<td>No Device (USB device)</td>
<td>The USB device is selected as a source although no USB device is connected.</td>
<td>Change the source to any source other than USB/iPod. Connect a USB device, and change the source to USB again.</td>
</tr>
<tr>
<td>Disconnected (iPod, Bluetooth audio player)</td>
<td>The iPod/Bluetooth audio player is selected as a source although no iPod/Bluetooth audio player is connected.</td>
<td>Change the source to any source other than iPod/Bluetooth. Connect an iPod/Bluetooth audio player, and change the source to iPod/Bluetooth again.</td>
</tr>
<tr>
<td>No Media file</td>
<td>The connected USB device contains no playable audio file. Media was played that doesn't have data recorded that the unit can play.</td>
<td>See <strong>Playable Media and Files (P.134)</strong> and try another USB device.</td>
</tr>
<tr>
<td>USB Device Error!!</td>
<td>The connected USB device is rated a current capacity higher than the allowable limit.</td>
<td>Check the USB device. Some trouble may have occurred to the connected USB device. Change the source to any source other than USB. Remove the USB device.</td>
</tr>
</tbody>
</table>
| Authorization Error                   | Connection to the iPod has failed.                                    | • Remove the iPod and then reconnect it.  
• The unit does not support the iPod, See **Connectable iPod/iPhone (P.136)**. |
| Update your iPod                      | The iPod’s software is an older version which the unit can not support. | The unit may not support the connected iPod model. Confirm that the software for the iPod is the latest version. See **Connectable iPod/iPhone (P.136)**. |
| Navigation Error. Please turn on power again later. | The communication error has occurred due to severely cold temperature. | Turn on power again after warming your car interior. |
| Network is disconnected               | Not connected to Wi-Fi.                                               | Connect to Wi-Fi.                                                         |
| Your Dropbox and Kenwood accounts are not linked. | Dropbox account information is not registered to the logged in Owner or User account. | Log in Route Collector site and register the Dropbox account. |
Resetting the Unit

If the unit or the connected device fails to operate properly, reset the unit.

1 **Press the <Reset> button.**
   The unit returns to factory settings.

**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 Media (P.17).*
- When the unit is turned on after resetting, the Initial SETUP screen appears. See *Initial setup (P.14).*
## Appendix

### Playable Media and Files

You can play various kinds of media and files on this unit.

#### List of playable discs

<table>
<thead>
<tr>
<th>Disc types</th>
<th>Standard</th>
<th>Support</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>DVD</td>
<td>DVD Video</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD Audio</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD-VR</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD-R*1</td>
<td>○</td>
<td>• MP3/WMA/AAC/MPEG1/MPEG2/DivX playback</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Multi-border/Multisession playback (Playback depends on authoring conditions)</td>
</tr>
<tr>
<td></td>
<td>DVD-RW</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD+R</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD+RW</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD-R DL (Dual layer)</td>
<td>○</td>
<td>Only video format</td>
</tr>
<tr>
<td></td>
<td>DVD+R DL (Double layer)</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>DVD-RAM</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td>CD</td>
<td>Music CD*1</td>
<td>○</td>
<td>CD-TEXT</td>
</tr>
<tr>
<td></td>
<td>CD-ROM</td>
<td>○</td>
<td>• MP3/WMA/AAC/MPEG1/MPEG2/DivX playback</td>
</tr>
<tr>
<td></td>
<td>CD-R</td>
<td>○</td>
<td>• Multisession is supported.</td>
</tr>
<tr>
<td></td>
<td>CD-RW</td>
<td>○</td>
<td>• Packet write is not supported.</td>
</tr>
<tr>
<td></td>
<td>DTS-CD</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Video CD (VCD)</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super video CD</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Photo CD</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CD-EXTRA</td>
<td>△</td>
<td>Only music CD session can be played.</td>
</tr>
<tr>
<td></td>
<td>HDCD</td>
<td>○</td>
<td></td>
</tr>
<tr>
<td></td>
<td>CCCD</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td>Dualdisc</td>
<td>×</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Super audio CD</td>
<td>△</td>
<td>Only CD layer can be played.</td>
</tr>
</tbody>
</table>

○: Playback is possible.
△: Playback is partly possible.
×: Playback is impossible.

### NOTE

- When buying DRM enabled content, check the Registration Code in the DivX® VOD (P.79). Each time a file with the displayed code is played and protected against copying, the code changes.
- DivX can be played only from a DVD disc media.
Use of DualDisc
When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.
(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

About disc format
The disc format should be one of the following.
• ISO 9660 Level 1/2
• Joliet
• Romeo
• Long file name

About files
The following audio, video, and picture files are supported.

Audio files
• AAC-LC (.m4a)
• MP3 (.mp3)
• WMA (.wma)
• Linear PCM (WAVE) (.wav)
  *Mass-storage-class USB device only
• FLAC (.flac)
  *Mass-storage-class USB device only

Video files
• MPEG1 (.mpg, .mpeg, .m1v)
• MPEG2 (.mpg, .mpeg, .m2v)
• DivX (.divx, .div, .avi)
• H.264/MPEG-4 AVC (.mp4, .m4v)
  *Mass-storage-class USB device only
• WMV 9 (.wmv, .m2ts)
  *Mass-storage-class USB device only
• MKV (.mkv)
  *Mass-storage-class USB device only

Picture files
Only picture files in USB device can be displayed.
Files stored in disc media is not supported.
• JPEG (.jpg, .jpeg)
• PNG (.png)
• BMP (.bmp)

NOTE
• BMP and PNG can be set only as wallpaper.

Playing order of files
In the example of folder/file tree shown below, the files are played in the order from 1 to 10.

NOTE
• If music of normal CD and other playback systems are recorded in the same disc, only the playback system recorded at the first setout is played.
• WMA and AAC of which is covered with DRM cannot be played.
• Although the audio files are complied with the standards listed above, the play may be impossible depending on the types or conditions of media or device.
• An online manual about audio files is posted on the site, www.kenwood.com/cs/ce/audiofile/. On this online manual, detailed information and notes which are not written in this manual are provided. Make sure to read through the online manual as well.
Connectable iPod/iPhone

The following models can be connected to this unit.

Made for
• iPhone 5s
• iPhone 5c
• 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
• For the details of the necessary cable and adapter to connect with iPod/iPhone, refer to Music/Video Basic Operation (P.60).
• For the conformity information on iPod/iPhone software, access www.kenwood.com/cs/ce/ipod/.
• By connecting your iPod/iPhone to this unit with an optional accessory iPod connection cable (KCA-iP202 or KCA-iP102), you can supply power to your iPod/iPhone as well as charge it while playing music. However, the power of this unit must be on.
• If you start playback after connecting the iPod, the music that has been played by the iPod is played first.
  In this case, "Reading" is displayed without displaying a folder name, etc. Changing the browse item will display a correct title, etc.
• When the iPod is connected to this unit, "KENWOOD" or ✔ is displayed on the iPod to indicate that you cannot operate the iPod.

Usable USB device

You can use a mass-storage-class USB device on this unit.

The word “USB device” appearing in this manual indicates a flash memory device and digital audio players can be recognized as mass-storage.

About file system

The file system should be the one of the following.
• FAT16
• FAT32

NOTE
• When the USB device is connected to this unit, it can be charged through the USB cable.
• Install the USB device in the place where it will not affect safe driving.
• You cannot connect a USB device via a USB hub and Multi Card Reader.
• Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device. We shall have no compensation for any damage arising from any erased data.
• No USB device comes with this unit. You need to purchase a commercially available USB device.
• When connecting the USB device, usage of the CA-U1EX (option) is recommended. (However, maximum supply current of CA-U1EX is 500mA.) Normal playback is not guaranteed when a cable other than the USB compatible cable is used.
Status Bar Indicator Items

Shown below is a list of indicators displayed on the status bar in the screen. Current status of this unit is displayed on the bar.

![Status bar]

● General

**ATT**
The attenuator is active.

**DUAL**
The dual zone function is on.

**TEL**
Indicates the connection state of the Bluetooth hands-free unit.
- White: Connected
- Orange: Not connected

**LOUD**
The loudness control function is on.

● DVD/CD

**FO-REP**
Folder repeat function is on.

**IN**
A disc is inserted.
- White: A Disc is inside the unit.
- Orange: Error at the disc player

**VIDEO**
Identifies the video file.

**MUSIC**
Identifies the music file.

**RDM**
The random function is on.

**REP**
The repeat function is on.

**C-REP**
The chapter repeat function is on.

**T-REP**
The title repeat function is on.

● VCD

**1chLL/2chLL**
Identifies the left audio output of channel 1 or 2.

**1chLR/2chLR**
Identifies the monaural audio output of channel 1 or 2.

**1chRR/2chRR**
Identifies the right audio output of channel 1 or 2.

**1chST/2chST**
Identifies the stereo audio output of channel 1 or 2.

**LL**
Identifies the left audio output.

**LR**
Identifies the monaural audio output.

**RR**
Identifies the right audio output.

**STEREO**
Identifies the stereo audio output.

**PBC**
The PBC function is on.

**SVCD**
Identifies the Super Video CD.

**VER1**
The VCD version is 1.

**VER2**
The VCD version is 2.

**REP**
The repeat function is on.
Appendix

● USB

FO-REP
The folder repeat function is on.

VIDEO
Identifies the video file.

MUSIC
Identifies the music file.

RDM
The random function is on.

REP
The repeat function is on.

PLST
The play list mode is selected now.

● iPod

MUSIC
Identifies the music file.

VIDEO
Identifies the video file.

RDM
The random function is on.

A-RDM
The album random function is on.

REP
The repeat function is on.

● Tuner

AUTO1
Seek mode is set to AUTO1.

AUTO2
Seek mode is set to AUTO2.

MANUAL
Seek mode is set to MANUAL.

MONO
The forced monaural function is on.

EON
The Radio Data System station is sending EON.

AF
The AF search function is on.

LO.S
The Local Seek function is on.

NEWS
News bulletin interruption is in progress.

RDS
Indicates the state of the Radio Data System station when the AF function is on.

• White: Radio Data System is being received.
• Orange: Radio Data System is not being received.

ST
A stereo broadcast is being received.

TI
Indicates the reception state of traffic information.

• White: TP is being received.
• Orange: TP is not being received.
Region Codes in the World

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.

- **DVD disc marks**
  - **ALL**
    - Indicates a region number. The discs with this mark can be played with any DVD player.
  - **8**
    - Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.
  - **32**
    - Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.
  - **9**
    - If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.

- **Operation regulatory marks**
  - **Prohibition Mark**
    - With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.

- **Discs with limited period of use**
  - Do not leave discs with a limited period of use in this unit. If you load an already expired disc, you may not be able to remove it from this unit.
## DVD Language Codes

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## Specifications

### Monitor section

**Picture Size**
- 6.95 inches (diagonal) wide
- 156.6 mm (W) x 81.6 mm (H)

**Display System**
- Transparent TN LCD panel

**Drive System**
- TFT active matrix system

**Number of Pixels**
- 1,152,000 (800H x 480V x RGB)

**Effective Pixels**
- 99.99%

**Pixel Arrangement**
- RGB striped arrangement

**Back Lighting**
- LED

### DVD player section

**D/A Converter**
- 24 bit

**Audio Decoder**
- Linear PCM/Dolby Digital/MP3/WMA/AAC

**Video Decoder**
- MPEG1/ MPEG2/ DivX

**Wow & Flutter**
- Below Measurable Limit

**Frequency Response**
- 96 kHz: 20 – 20,000 Hz
- 48 kHz: 20 – 20,000 Hz
- 44.1 kHz: 20 – 20,000 Hz

**Total Harmonic Distortion**
- 0.01 % (1 kHz)

**S/N Ratio (dB)**
- 90 dB (DVD-Video 96 kHz)

**Dynamic Range**
- 91 dB (DVD-Video 96 kHz)

**Disc Format**
- DVD-Video/ VIDEO-CD/ CD-DA

**Sampling Frequency**
- 44.1/48/96 kHz

**Quantifying Bit Number**
- 16/20/24 bit

### USB interface section

**USB Standard**
- USB 2.0 Full/ High speed

**File System**
- FAT 16/32

**Maximum Power Supply Current**
- iPod/iPhone: DC 5 V 500 mA
- USB: DC 5 V 1 A
- DNN9350BT/ DNN9350BTM: DC 5 V 1 A

**D/A Converter**
- 24 Bit

**Video Decoder**
- MPEG1/ MPEG2/ MPEG4/ WMV/ H.264

**Audio Decoder**
- MP3/ WMA/ AAC/ WAV/ FLAC

### Network section

**uPnp**
- Media Controller/Media Server/Media player/Media Renderer

**Video Decoder**
- MPEG1/ MPEG2/ MPEG4/ WMV/ H.264

**Audio Decoder**
- MP3/ WMA/ AAC/ WAV/ FLAC

### Wi-Fi section

**IEEE Standard**
- 802.11b/g/n

**Security Support**
- 64/128bit WEP / WPA & WPA2

**Frequency Range**
- 2.401 – 2.483 GHz

**Transfer rates (MAX)**
- QAU0569: 802.11n(130 Mbps) / 802.11g(54 Mbps) / 802.11b(11 Mbps)
- W02-5617: 802.11n(150 Mbps) / 802.11g(54 Mbps) / 802.11b(11 Mbps)

**Output Power**
- QAU0569: DSSS: 15 – 18dBm, OFDM (11g): 13 – 17dBm, OFDM (11n): 11 – 15dBm
- W02-5617: 16 – 18dBm (CCCK), 13 – 15dBm (OFDM)
Bluetooth section

Technology
- Bluetooth Ver3.0 Certified

Frequency
- 2.402 – 2.480 GHz

Output Power
- +4dBm (MAX), 0dBm (AVE), Power Class2

Maximum Communication Range
- Line of sight approx. 10m (32.8 ft)

Audio Codec
- DNN9350BT/ DNN9350BTM
- SBC/ AAC/ MP3/ aptX
- DNR8035BT/ DNR8035BTM
- SBC/ AAC/ MP3

Profile
- HFP (V1.6) (Hands Free Profile)
- SPP (Serial Port Profile)
- SDP (Service Discovery Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)
- GAP (Generic Access Profile)
- Multi Profile support

HDMI/ MHL section

HDMI
- HDMI Type-A

MHL Supported Version
- MHL 2

MHL Maximum Power Supply Current
- DC 5 V 900 mA

DSP section

Graphics equalizer
- Band: 13 Band
  - Frequency (BAND1 – 13)
    - 62.5/100/160/250/400/630/1k/1.6k/2.5k/4k/6.3k/10k/16k Hz
  - Gain
    - -9/-8/-7/-6/-5/-4/-3/-2/-1/0/1/2/3/4/5/6/7/8/9 dB

2Way X’Over
- High pass filter
  - Frequency: Through, 30/40/50/60/70/80/90/100/120/150/180/220/250 Hz
  - Slope: -6/-12/-18/-24 dB/Oct.
- Low pass filter
  - Frequency: 30/40/50/60/70/80/90/100/120/150/180/220/250 Hz, Through
  - Slope: -6/-12/-18/-24 dB/Oct.

3Way X’Over (Region code 3 model)
- High pass filter
  - Frequency: Through/1k/1.6k/2.5k/4k/5k/6.3k/8k/10k/12.5k Hz
  - Slope: -6/-12 dB/Oct.
- Band pass filter
  - Frequency: Through/30/40/50/60/70/80/90/100/120/150/180/220/250 Hz
  - Slope: -6/-12 dB/Oct.
- Low pass filter
  - Frequency: Through/30/40/50/60/70/80/90/100/120/150/180/220/250 Hz
  - Slope: -6/-12 dB/Oct.

Position
- Front / Rear /Subwoofer Delay
  - 0 – 6.1 m (0.02 m Step)
- Gain
  - -8 – 0 dB
- Subwoofer level
  - -50 – +10 dB
**FM tuner section**

Frequency Range  
: 87.5 MHz – 108.0 MHz (50 kHz)

Usable Sensitivity (S/N : 30 dB)  
: 7.2 dBf (0.63 μV/75 Ω)

Quieting Sensitivity (S/N : 50 dB)  
: 15.2 dBf (1.6 μV/75 Ω)

Frequency Response (± 3.0 dB)  
: 30 Hz – 15 kHz

S/N Ratio (dB)  
: 75 dB (MONO)

Selectivity (± 400 kHz)  
: ≥ 80 dB

Stereo Separation  
: 45 dB (1 kHz)

**AM tuner section**

Frequency Range (step)  
LW: 153 – 279 kHz (9 kHz)  
MW: 531 – 1611 kHz (9 kHz)  
Region code 4 model

531 kHz - 1611 kHz (9 kHz)

Usable Sensitivity  
MW: 25μV  
LW: 45μV

Region code 4 model: 28 dBμV

**Video section**

Color System of External Video Input  
: NTSC/PAL

External Video Input Level (RCA jacks)  
: 1 Vp-p/75 Ω

External Audio Max Input Level (RCA jacks)  
: 2 V/ 25 kΩ

Video Input Level (RCA jacks)  
: 1 Vp-p/75 Ω

Video Output Level (RCA jacks)  
: 1 Vp-p/75 Ω

Audio Output Level (Mini jack)  
: 1.2 V/ 10 kΩ

**Audio section**

Maximum Power (Front & Rear)  
: 50 W x 4

Full Bandwidth Power (Front & Rear) (at less than 1%THD)  
: 22 W x 4

Preout Level (V)  
: 5 V/ 10 kΩ

Preout Impedance  
: ≤ 250 Ω

Speaker Impedance  
: 4 – 8 Ω
Navigation section (DNN9350BT/DNN9350BTM)

**Receiver**
- High-sensitivity GPS receiver

**Reception Frequency**
- 1575.42 MHz (C/A code)

**Acquisition Times**
- Cold: 29 seconds (typ)
- (All satellites at -130 dBm Without aiding)

**Update Rate**
- 1/second, continuous

**Accuracy**
- Position: <2.5 meters, CEP, at -130 dBm
- Velocity: 0.1 meter/sec RMS

**Position Method**
- GPS

**Antenna**
- External GPS antenna

**General**

**Operating Voltage**
- 14.4 V (10.5 – 16 V allowable)

**Maximum Current Consumption**
- 10 A

**Installation Dimensions (W x H x D)**
- 181.7 x 112.3 x 163 mm

**Operational Temperature Range**
- -10 °C – +60 °C

**Weight**
- 2.5 kg

**NOTE**
- Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

**Specifications subject to change without notice.**

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- Incorporates MHL 2

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• ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.

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**libFLAC**


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**Requirements Pandora**:  
Requirements for listening to the Pandora® are as follows:

- A smartphone with the latest Pandora application installed.
- A Pandora account (if you do not have an account, create one for free using the mobile app or on www.pandora.com).
- An active internet connection.

**iPhone or iPod touch**

- Apple iPhone or iPod touch with iOS 3 or later installed.
- Latest version of the Pandora application (search App Store for Pandora and install).

**Android™**

- Latest version of the Pandora Android application (search Google Play for Pandora and 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 (Serial Port Profile)
  - A2DP (Advanced Audio Distribution Profile)

**Note**

- Pandora® is available only in the U.S, 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
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.

DNN9350BTM / DNR8035BTM:

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:
JVCKENWOOD NEDERLAND B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, The Netherlands

English
Hereby, JVC KENWOOD declares that this unit DNN9350BTM/ DNR8035BTM is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Türkçe
Bu vesileyle JVC KENWOOD, DNN9350BTM/ DNR8035BTM ünitesinin, 1999/5/EC Direktifinin başlıca gereksinimleri ve diğer ilgili hükümleri ile uyumlu olduğunu beyan eder.

For Turkey
Bu ürün 28300 sayılı Resmi Gazete’de yayımlanılan Atık Elektrikli ve Elektronik Eşyaların Kontrolü Yönetmeliğe uygun olarak üretilmiştir.