

DNX9180DABS

GPS NAVIGATION SYSTEM INSTRUCTION MANUAL

JVC KENWOOD Corporation

- Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from <http://www.kenwood.com/cs/ce/>.
- The Instruction manual is subject to change for modification of specifications and so forth. Be sure to download the latest edition of the Instruction manual for reference. <http://manual.kenwood.com/edition/im396/>



Contents

Before Use 4

Precautions.....	4
Safety Precautions and Important Information	5
How to read this manual	6

Basic Operations 7

Functions of the Buttons on the Front Panel ...	7
Turning on the Unit	8
Initial Settings.....	9
Adjusting the volume	11
Monitor Angle Control	11
Touch screen operations	12
HOME screen descriptions.....	12
Popup menu	13
Source selection screen description.....	13
Source control screen descriptions	15
List screen	16
Navigation Operation	17

Widget 21

Widget.....	21
Weather Widget	21
Photo Frame Widget	21
Widget Setup.....	22

Disc 23

Playing a disc	23
DVD/VCD Basic Operation.....	23
Music CD/ Disc media Basic Operation	25
File search Operation	26
DVD Disc Menu Operation.....	27
DVD Setup.....	28

APPS—Android Auto™/ Apple CarPlay 29

Apple CarPlay Operation	29
Android Auto™ Operation	30
WebLink™ Operation.....	32
Spotify Operation.....	33

USB/SD 35

Connecting a USB device	35
Inserting the SD	35
USB/SD Basic Operation.....	36
Search Operation.....	37

iPod/iPhone 38

Preparation	38
iPod/iPhone Basic Operation	39
Search Operation.....	40

Radio 42

Radio Basic Operation	42
Memory Operation	43
Selecting Operation	43
Traffic Information	44
Radio Setup	44

DAB 45

DAB Basic Operation	45
Storing Service in Preset Memory	46
Selecting Operation	46
Traffic Information	47
Replay.....	48
DAB Setup	48

Bluetooth Control	50
Information for using Bluetooth® devices.....	50
Register the Bluetooth device	51
Bluetooth Setup.....	51
Playing the Bluetooth Audio Device	53
Using the Hands-Free Unit.....	55
Hands-Free Setup.....	60

Other External Components	61
View Camera	61
Use Dashboard Camera.....	63
External audio/video players (AV-IN).....	64
HDMI source.....	64
TV tuner	64

Setup	65
Monitor Screen Setup.....	65
System Setup	65
User Interface Setup.....	66
Special Setup	67
Display Setup	68
AV Setup	70

Controlling Audio	71
3 way speaker system setup.....	71
Speaker/ X'over setup	72
Controlling General Audio	74
Equalizer Control	74
Volume Offset	75
Zone Control	76
Sound Effect	76
Listening Position/ DTA.....	77
Audio Setup memory	79

Remote control	80
Battery Installation.....	80
Functions of the Remote control Buttons	80

Connection/Installation	83
Before Installation	83
Installing the unit	85

Troubleshooting	92
Problems and Solutions	92
Error Messages	92

Appendix	94
Playable Media and Files.....	94
Region Codes in the World	96
DVD Language Codes.....	97
Specifications.....	98
About this Unit	101

Before Use

Precautions

▲ WARNINGS

■ 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 metallic 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 a language to display menus, audio file tags, etc. See **User Interface Setup (P.66)**.
- The Radio Data System or Radio Broadcast Data System feature won't work in areas 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 a 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 it with a cloth moistened with neutral cleaner, then wipe it again with a clean soft dry cloth.

NOTE

- Applying spray cleaner directly to the unit may damage 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 the screened print.

■ Lens fogging

When you turn on the car heater in cold weather, dew may form on the lens in the disc player of the unit due to condensation. This condensation on the lens (also called lens fogging) may not allow discs to play. In such a situation, remove the disc and wait for the dew 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 the disc from the center toward the outside rim.
- When removing a disc from this unit, pull it 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 following types of CDs



- 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's instruction manual.)

Acquiring GPS signal

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

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

Caution for Smartphone Users

Simultaneously running multiple applications on your smartphone while screen sharing places heavy demand on the microprocessor of the phone, potentially affecting communication and performance.

For best results while pairing with your Kenwood receiver, please be sure to close any unused applications by performing the following steps:

Android operating system example:

- Turn off WiFi in phone settings menu.
- Close all open applications before connecting for in-car use. Hold the <Home> key and select <Close all> to close all open applications.
- Clear RAM Memory of the Android phone before connecting for in-car use. Hold the <Home> key and select <Task Manager> then select <RAM> then select <Clear memory> to clear current memory processes.



Safety Precautions and Important Information

Read this information carefully before starting to operate the KENWOOD Car Navigation System and follow the instructions in this manual.

Neither KENWOOD nor Garmin shall be liable for problems or accidents resulting from failure to observe the instructions in this manual.

WARNING

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

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

Always operate the vehicle in a safe manner.

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

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

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

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

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

⚠ CAUTION

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

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

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

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

📄 IMPORTANT INFORMATION

Vehicle Battery Preservation

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

Map Data Information

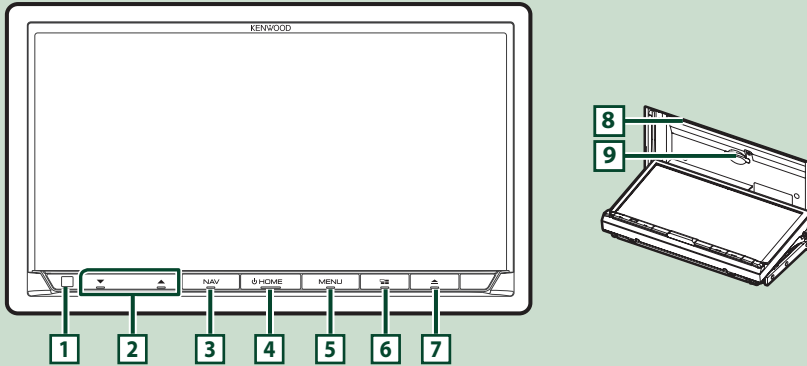
One of the goals of Garmin is to provide customers with the most complete and accurate cartography that is available to us at a reasonable cost. We use a combination of governmental and private data sources, which we identify in product literature and copyright messages displayed to the consumer. Virtually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

How to read this manual

- 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.
- **Display language:** English is used for the purpose of explanation. You can select a display language from the **SETUP** menu. See **User Interface Setup (P.66)**.

Basic Operations

Functions of the Buttons on the Front Panel



NOTE

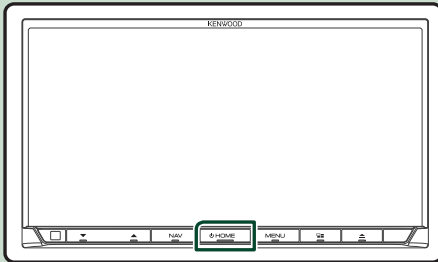
- The panels shown in this guide are examples used to provide a clear explanation of operations. For this reason, they may be different from the actual panels.

Number	Name	Motion
1	Remote Sensor	<ul style="list-style-type: none"> Receives the remote control signal.
2	▼, ▲ (Volume)	<ul style="list-style-type: none"> Adjusts the volume. The volume will go up to 15 when you keep pressing ▲.
3	NAV	<ul style="list-style-type: none"> Displays the navigation screen.
4	HOME	<ul style="list-style-type: none"> Displays the HOME screen (P.12). Pressing for 1 second turns the power off. When the power is off, turns the power on.
5	MENU	<ul style="list-style-type: none"> Displays the popup menu screen. Pressing for 1 second turns the screen off.
6		<ul style="list-style-type: none"> Displays the APP (CarPlay/ Android Auto/ WebLink) screen. Pressing for 1 second displays the Voice Recognition screen (P.57).
7	▲	<ul style="list-style-type: none"> Displays the Angle Adjust screen. <ul style="list-style-type: none"> DISC EJECT: Ejects the disc. OPEN: Fully opens the panel to the location of the SD card slot. When the panel is opened, pressing closes the panel. To forcibly eject the disc, press it for 2 seconds and then touch DISC EJECT after the message is displayed.
8	Disc insert slot	<ul style="list-style-type: none"> A slot to insert a disc media.
9	SD card slot	<ul style="list-style-type: none"> A slot to insert an SD card. You can play audio/visual files in the card. * An SD card slot for upgrading the map. For how to upgrade the map, refer to the instruction manual of the navigation system. <p>* If the map update file remains in the SD card, you cannot play audio/visual files. * Do not pull out the MAP SD while "Loading Maps" is being displayed.</p>

Turning on the Unit

The method of turning on is different depending on the model.

- 1 Press the **HOME** button.



➤ The unit is turned on.

- **To turn off the unit:**

- 1 Press the **HOME** button for 1 second.

NOTE

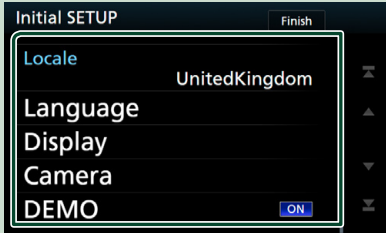
- If it is your first time to turn the unit on after installation, it will be necessary to perform Initial setup (**P.9**).

Initial Settings

Initial setup

Perform this setup when you use this unit first time.

1 Set each item as follows.




■ Locale

Select the country for the navigation system. The language, the distance unit, and the gasoline unit are set.

- ① Touch **Locale**.
- ② Select the desired country.

■ Language



Select the language used for the control screen and setting items. Default is "British English (en)".

- ① Touch **Language**.
- ② Touch **Language Select**.
- ③ Select the desired language.
- ④ Touch .

For details of operation, see **User Interface Setup (P.66)**.

■ Display


Set the button illumination color. If it is hard to see the image on the screen even, adjust the viewing angle.

- ① Touch **Display**.
- ② Touch **Key Colour**.
- ③ Select the desired color.
- ④ Touch .
- ⑤ Touch **Viewing Angle**.
- ⑥ Select an angle
- ⑦ Touch .

For details of, see **Display Setup (P.68)**.

■ Camera

Set the parameters for the camera.

- ① Touch **Camera**.
- ② Set each item and touch .

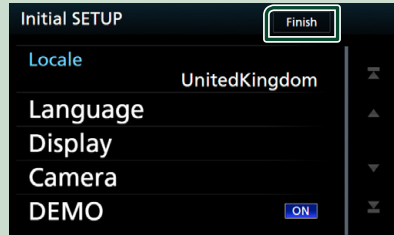
For details of, see **Camera Setup (P.61)**.

■ DEMO

Set the demonstration mode. Default is "ON".

- ① Touch **DEMO** and select ON or OFF.

2 Touch Finish.



NOTE

- These settings can be made from the SETUP menu. See **Setup (P.65)**.

Security Code Setup

You can set up a security code to protect your receiver system against theft.

When the Security Code function is activated, the code cannot be changed and the function cannot be released. Note the Security Code can be set as the 4 to 8 digit number of your choice.

1 Press the **MENU** button.

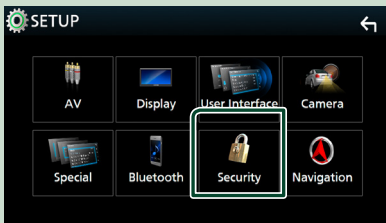
➤ Popup menu appears.

2 Touch **SETUP**.



➤ SETUP Menu screen appears.

3 Touch **Security**.

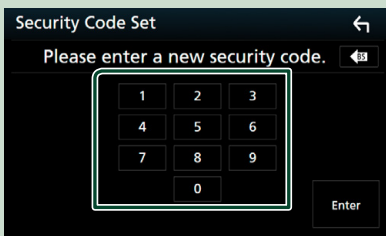


➤ Security screen appears.

4 Touch **Security Code Set** on the Security screen.

➤ Security Code Set screen appears.

5 Enter a security code with 4 to 8 digit number and touch **Enter**.



6 Enter the same code again and touch **Enter**.

Now, your security code is registered.

NOTE

- Touch **BS** to delete the last entry.
- If you enter a different security code, the screen returns to step 5 (for the first code entry).
- if you have disconnected the Receiver from battery, enter the correct security code as that you have entered in step 5 and touch **Enter**. You can use your receiver.

To change the security code:

1 Touch **Security Code Change** on the Security screen, then repeat step 5 and 6.

To clear the security code:

1 Touch **Security Code Cancellation** on the Security screen, then repeat step 5.

Calendar/clock settings

- 1 Press the **MENU** button.
➤ Popup menu appears.

- 2 Touch **SETUP**.



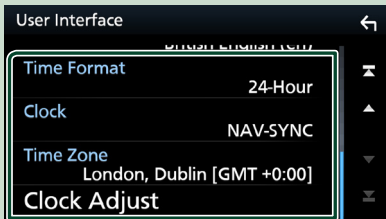
- SETUP Menu screen appears.

- 3 Touch **User Interface**.



- User Interface screen appears.

- 4 Set each item as follows.
Scroll the page to show hidden items.



■ Time Format

Select the time display format.

12-Hour / 24-Hour (Default)

■ Clock

NAV-SYNC (Default): Synchronizes the clock time with navigation GPS data.

Manual: Set the clock manually.

■ Time Zone

If you have selected **Manual** for Clock, select the time zone.

■ Clock Adjust

If you select **Manual** for Clock, adjust the date and time manually. (P.67)

NOTE

- Please set the date and time. If they not set, some functions may not work.

Adjusting the volume

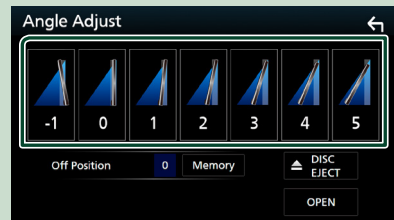
To adjust the volume (0 to 40),
Press ▲ to increase, and press ▼ to decrease.
Holding ▲ increases the volume continuously to level 15.



Monitor Angle Control

You can adjust the position of the monitor.

- 1 Press the ▲ button.
➤ Angle Adjust screen appears.
- 2 Select a number below that represents your desired angle setting.
Default is "0".



■ Off Position

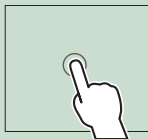
You can store the current monitor angle as the angle during power off. Touch **Memory** when the desired angle is selected.

Touch screen operations

To perform operations on the screen, you need to touch, touch and hold, flick or swipe to select an item, display a setting menu screen or change pages.

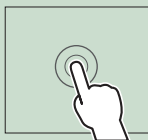
● Touch

Touch the screen gently to select an item on the screen.



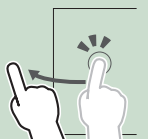
● Touch and hold

Touch the screen and keep your finger in place until the display changes or a message is displayed.



● Flick

Slide your finger quickly to the left or right on the screen to change the page. You can scroll a list screen by flicking up/ down on the screen.



● Swipe

Slide your finger up or down on the screen to scroll the screen.



HOME screen descriptions

Most functions can be performed from the HOME screen.



- | | |
|---|---|
| 1 | <ul style="list-style-type: none"> Widget (P.21) <ul style="list-style-type: none"> – You can change the widget by flicking left or right on the widget area. – Touch the widget to display the detailed screen. |
| 2 | <ul style="list-style-type: none"> Current source information |
| 3 | <ul style="list-style-type: none"> Displays the control screen of the current source. The artwork is displayed if available from current content. |
| 4 | <ul style="list-style-type: none"> Current source information |
| 5 | <ul style="list-style-type: none"> Displays the source selection screen. (P.14) |
| 6 | <ul style="list-style-type: none"> Short-cut playback source icons (P.14) |

Display the HOME screen

- 1 Press the **HOME** button.



- HOME screen appears.

Popup menu

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch to display the popup menu.

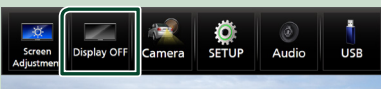


The contents of the menu are as follows.

	• Displays the Screen Adjustment screen. (P.65)
	• Turns the display off. (P.13)
	• Displays the view camera screen. (P.61)
	• Displays the SETUP Menu screen. (P.65)
	• Displays the Audio screen. (P.71)
	• Displays the control screen of current source. Icon feature differs depending on the source.
	• Close the popup menu.
1	• Short-cut buttons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to Customize Short-cut buttons on HOME screen (P.15) .

Turn off the screen

- 1 Select **Display OFF** on the popup menu.

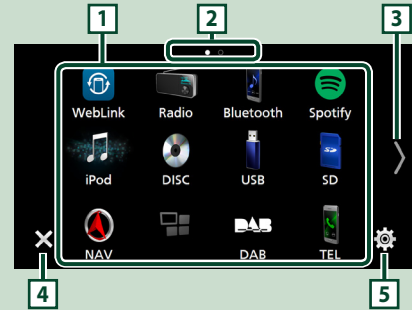


- To turn on the screen

- 1 Touch the display.

Source selection screen description

You can display icons of all playback sources and options on the source selection screen.



- | | |
|----------|--|
| 1 | • Changes playback sources. For playback sources, see P.14 . |
| 2 | • Page indication |
| 3 | • Changes pages. (Touch / .) You can also change pages by flicking left or right on the screen. |
| 4 | • Returns to the previous screen. |
| 5 | • Displays the SETUP Menu screen. (P.65) |














Select the playback source

1 Press the **HOME** button.

➤ HOME screen appears.

2 Touch .

From the screen, you can select the following sources and functions.

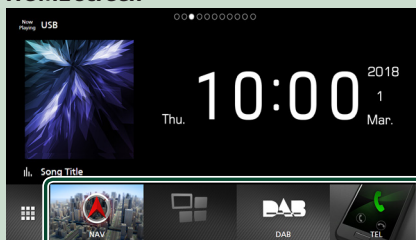
	• Displays the navigation screen. (P.17)
	• Switches to the Android Auto/ Apple CarPlay screen from the connected iPhone/Android device.*1 (P.29)
	
	
	• Displays the Hands Free screen. (P.55) When connecting as Apple CarPlay or Android Auto, it works as a phone provided in Apple CarPlay or Android Auto.
	• Switches to the Radio broadcast. (P.42)
	• Switches to the DAB broadcast. (P.45)
	• Plays a Bluetooth audio player. (P.50)
	• Plays a disc. (P.23)
	• Plays an iPod/iPhone. (P.38)
	• Plays files on a USB device. (P.35)
	• Plays files on an SD card. (P.35)
	• Switches to Spotify. (P.33)
	• Plays a device connected to the HDMI input terminal. (P.64)
	• Switches to an external component connected to the AV-IN input terminal. (P.64)
	• Displays the WeeLink screen. (P.32)
	• Displays the Audio screen. (P.71)



• Puts the unit in standby. **(P.15)**

*1 When iPhone compatible with CarPlay is connected, **Apple CarPlay** is displayed. When an Android device compatible with Android Auto is connected, **Android Auto** is displayed.

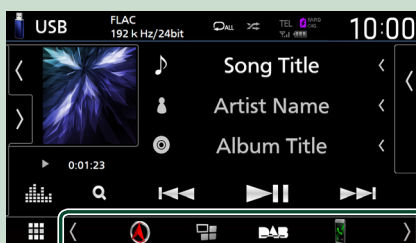
To select the playback source on the HOME screen





The 4 items displayed on the source selection screen with large icons are shown on the HOME screen.


You can change the items displayed on this area by customizing the source selection screen. **(P.15)**

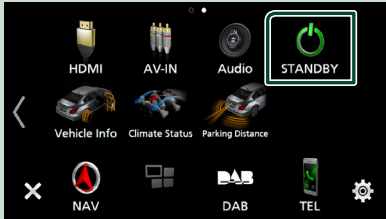
To select the playback source on the source control screen



Display source selection buttons by touching   or flicking left or right on the source control screen, then select a playback source.


Put the unit in standby

- 1 Press the **HOME** button.
➤ HOME screen appears.
- 2 Touch .
- 3 Touch **STANDBY**.



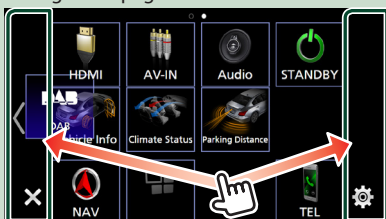
Customize Short-cut buttons on HOME screen

You can arrange the positions of the source icons as you like.

- 1 Press the **HOME** button.
➤ HOME screen appears.
- 2 Touch .
- 3 Touch and hold the icon which you want to move in the customizing mode.
- 4 Drag the icon to the desired position.



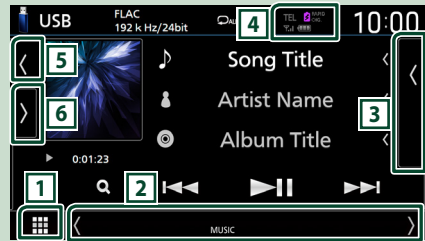
Changes the page



Source control screen descriptions

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

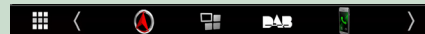
Indicators



Navigation information





Short-cut buttons



1 All sources icon

Displays all sources.

2 Secondary screen

-  / : The Secondary screen changes to another one every time you touch it. You can also change the Secondary screen by flicking left or right on the screen.
- Indicators: Displays the current source condition and so on.
 - **ATT**: The attenuator is active.
 - **DUAL**: The dual zone function is active.
 - **MUTE**: The mute function is active.
 - **LOUD**: The loudness control function is active.
- Navigation information: Displays the current location and the direction. The screen changes to the navigation screen when you touch here.
- Short-cut buttons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to **Customize Short-cut buttons on HOME screen (P.15)**.

3 Content list

Displays the track/file/station/channel list.

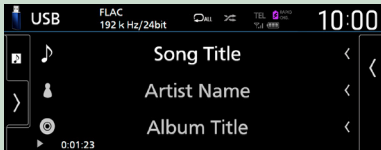
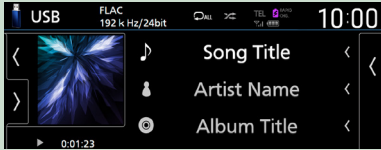
Basic Operations



- Connected Bluetooth device information.
- **RAPID CHG.**: Lights up during quick charging of the battery of the connected iPod/ iPhone/ Smartphone.

5 Artwork & information

You can select whether to display an artwork and song information or only song information in more detail.



6 Function panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

List screen

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



1

Displays the list type selection window.

2

Displays a music/movie file list.

3

Scrolls the displayed text.

4

Keys with various functions are displayed here.

- **Play**: Plays all tracks in the folder containing the current track.
- **A-Z**: Jumps to the letter you entered (alphabetical search).
- **Top** **Up**: Moves to the upper hierarchy level.

5

You can change pages to display more items by pressing **Up** / **Down**.

- **Top** / **Bottom**: Displays the top or bottom page.

6

Returns to the previous screen.

NOTE

- Buttons which cannot be activated from the list screen are not displayed.

Navigation Operation

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.

- 2 Touch .

➤ Main Menu screen appears.

How to Use the Navigation System

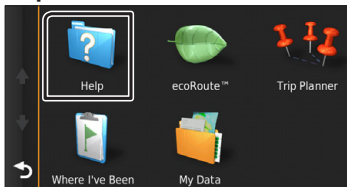
- 1 Operate the desired function from the Main Menu screen.



- | | |
|---|--|
| 1 | GPS satellite strength. |
| 2 | Finds a destination. |
| 3 | Views the map. |
| 4 | Uses the Apps such as ecoRoute and Help. |
| 5 | Adjusts the settings. |

NOTE

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



NOTE

- For more information about your navigation system, download the latest version of the Owner's Manual from <http://manual.kenwood.com/edition/im396/>

- 2 Enter your destination and start the guidance.

Finding points of interest

- ① Touch **Where To?**
- ② Select a category and a subcategory.
- ③ Select a destination.
- ④ Touch **Go!**

NOTE

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

- 3 Follow your route to the destination.

NOTE

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

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



1	Views the Next Turn page or the junction view page, when available.
2	Views the Turn List page.
3	Views the Where Am I? page.
4	Stops the current route.
5	Displays traffic information on the route.
6	Returns to the Main menu.
7	Displays a different data field.
8	Views the Trip Computer.
9	Displays more options.

NOTE

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

● **Adding a stop**

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

● **Taking a detour**

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

■ **Manually avoiding traffic on your route**

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

■ **Viewing the traffic map**

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

■ **About traffic**

- Traffic service is not available in some areas or countries.
- Garmin and JVC KENWOOD are not responsible for the accuracy or timeliness of the traffic information.
- You can receive INRIX traffic information and weather forecast by connecting your iPhone or Android smartphone in which the “KENWOOD Traffic Powered By INRIX” application is installed.
For details, see “KENWOOD Traffic Powered By INRIX” application.
- With an FM traffic receiver, the navigation system can receive and use traffic information. The FM TMC subscription activates automatically after your navigation system acquires satellite signals while receiving traffic signals from the service provider. Go to www.garmin.com/kenwood for more information.
- While receiving INRIX traffic information, FM TMC information is not displayed.

■ **Updating maps**

You can purchase updated map data from Garmin.

- 1 Go to www.garmin.com/kenwood.
- 2 From the Map Updates section, select Update
- 3 Follow the on-screen instructions.

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. (P.15)

- 1 While playing the audio, touch / in the navigation screen.



Each time you touch the icon, the screen switches as follows.

Displays the navigation and control keys of the current source.



Displays the navigation and current video playback display.



Displays the navigation and view camera display.



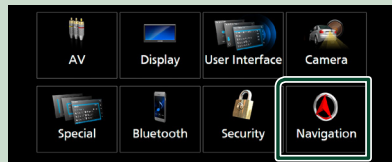
Returns to the full navigation screen.

NOTE

- For details on control keys, refer to the instructions in each section.
- Touching the source icon at the bottom of the screen displays the full audio screen. During video playback, touching the viewing area displays operation buttons.
- During camera view display, touching the viewing area switches between the front view camera/dashboard camera and the rear view camera.

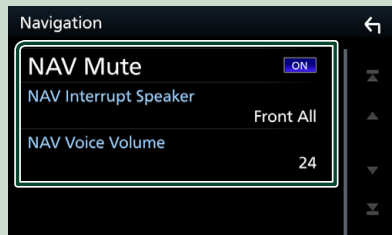
Navigation Setup

- 1 Press the MENU button.**
 > Pop up menu appears.
- 2 Touch SETUP.**
 > SETUP Menu screen appears.
- 3 Touch Navigation.**



> Navigation SETUP screen appears.

- 4 Set each item as follows.**



■ NAV Mute

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

■ NAV Interrupt Speaker

Selects speakers 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

Adjusts the volume for voice guidance of the navigation system. Default is "24".

KENWOOD Traffic Powered By INRIX

You can receive INRIX traffic information and weather forecast by connecting your iPhone or Android smartphone in which the "KENWOOD Traffic Powered By INRIX" application is installed to this unit.

Preparation

- Install the latest version of the KENWOOD Traffic Powered By INRIX application on your iPhone or Android.
 - iPhone: Search for "KENWOOD Traffic Powered By INRIX" in the Apple App Store to find and install the most current version.
 - Android: Search for "KENWOOD Traffic Powered By INRIX" in Google play to find and install the most current version.
- For details, see "KENWOOD Traffic Powered By INRIX" application.

1 Register the Smartphone.

To connect a smartphone via Bluetooth, register it as the Bluetooth device and do the App (SPP) profile setting of the connection beforehand. See **Register the Bluetooth device (P.51)** and **Connect the Bluetooth device (P.52)**.

2 Press the NAV button.



➤ The navigation screen appears.

3 Touch .

➤ Main Menu screen appears.
Touch **Apps** on the Main Menu screen and then an icon of your desired content.
For details, see Navigation system manual.

Widget

Widget

- 1 Press the **HOME** button.
- 2 You can change the widget by flicking left or right on the widget area.



Widget list

- NAV Widget
- Weather Widget *1
- Clock Widget
- Compass Widget
- Spectrum analyzer Widget
- Tire Pressure Widget *2
- Climate Widget *2
- Multi Widget (Spectrum analyzer, Clock, Current source information)
- Photo Frame Widget

*1 You can receive INRIX traffic information and weather forecast by connecting your iPhone or Android smartphone in which the "KENWOOD Traffic Powered By INRIX" application is installed.

*2 This can be selected when a commercial adaptor is connected.

Weather Widget

You can display the weather forecast of the present location on the Home screen.

Preparation

- See **KENWOOD Traffic Powered By INRIX (P.20)**.
- Select "ON" for Weather Widget. See **Widget Setup (P.22)**.

- 1 Press the **HOME** button.
- 2 Flick the widget area to the left/right to display the weather widget.



Photo Frame Widget

You can display a slideshow of the image files stored in the USB memory/ SD card on the Home screen.

Preparation

- Select "ON" for Photo Frame Widget. See **Widget Setup (P.22)**.

● Acceptable Picture files

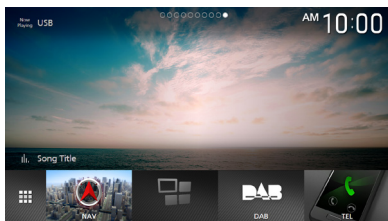
	Max. Picture size
JPEG (.jpg, .jpeg) *1	5,000 × 5,000
PNG (.png)	1,000 × 1,000
BMP (.bmp)	1,000 × 1,000

- This unit can only play back files which are less than 50 MB.
- The maximum number of files per device is 500.
- Picture files may not be played depending on their condition.

*1 A progressive format is not supported.

Photo Frame

- 1 Press the **HOME** button.
- 2 Flick the widget area to the left/right to display the photo frame widget.

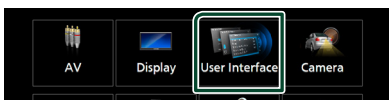


• Scroll the screen to display the hidden part.

Widget Setup

Set up the widgets on the Home screen.

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **SETUP**.
 - SETUP screen appears.
- 3 Touch **User Interface**.



➢ User Interface screen appears.

- 4 Touch **Widget SETUP** in the User Interface screen.
- 5 Set each item as follows.
 - **Weather Widget**
Determine whether to use the weather widget.
"ON" (Default)/ "OFF"
 - **Photo Frame Widget**
Determine whether to use the photo frame widget.
"ON" (Default)/ "OFF"
 - **Photo Frame SETUP**
Make settings related to display of the photo frame widget.

- 6 Touch .

To Photo Frame Setup

Make settings related to display of the photo frame widget.

- 1 Touch **Photo Frame SETUP** on the Widget SETUP screen.
- 2 Set each item as follows.
 - **Sort Order**
Specify a file sorting criterion.
"By Name(Ascending)"/ "By Name(Descending)"/ "By Date(Newest First)" (Default)/ "By Date(Oldest First)"
 - **Slide Show Interval**
Specify the slideshow interval.
"5" (Default) to "30" seconds
 - **Photo Frame is** •••••
Display help topics about the photo frame.

- 3 Touch .

Disc

Playing a disc

Insert a disc

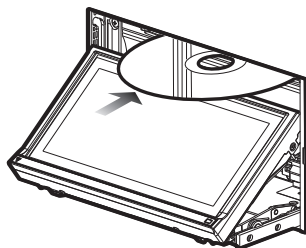
- 1 Press the **▲** button.



- 2 Touch **DISC EJECT**.

► The panel opens.

- 3 Insert the disc into the slot.



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

Eject a disc

- 1 Press the **▲** button.

- 2 Touch **DISC EJECT**.

When removing a disc, pull it horizontally.

- 3 Press the **▲** button.

DVD/VCD Basic Operation

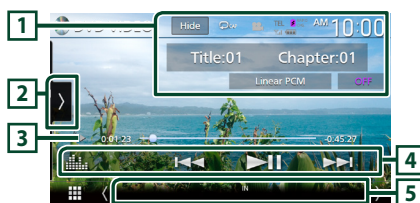
Most functions can be controlled from the source control screen and playback screen.

NOTE

- Set the remote control mode switch to DVD mode before starting operation for DVD and VCD, see **Switch the operation mode (P.80)**.
- The screen shot below is for DVD. It may be different from the one for VCD.

- 1 When the operation buttons are not displayed on the screen, touch **[7]** area.

Control screen



Video screen









- 1 **Information display area**

Displays the following information.





- **Title #, Chapter #:** DVD title and chapter number
- **Track #/Scene #:** VCD track or scene number.
Scene # is displayed only when Playback control (PBC) is on.

Disc












- **Linear PCM, etc.:** Audio format
- **OFF/Zoom2 – 4 (DVD)/ Zoom2 (VCD):**
Displays the zoom ratio.
- **Hide:** Hides the control screen.
- : Repeats the current content. Each time you touch the key, repeat modes are switched in the following sequence;
DVD: Title repeat (), Chapter repeat (), Repeat off ()
VCD (PBC On): Does not repeat
VCD (PBC Off): Track repeat (), Repeat off ()

2 Function panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.





- : Stops playback. Touching twice will play the disc from the beginning when you play it next time.
-  : Fast-forwards or fast-backward the disc. Each time you touch the key, the speed changes. 2 times, 10 times.
-   (DVD only): Plays in slow motion forward or backward.
- **SETUP** (DVD only): Touch to display the DVD SETUP screen. See **DVD Setup (P.28)**.
- **MENU CTRL** (DVD only): Touch to display the DVD-VIDEO disc menu control screen. See **DVD Disc Menu Operation (P.27)**.
- **PBC** (VCD only): Touch to turn Playback control (PBC) on or off.
- **Audio** (VCD only): Touch to change audio output channels.

3 Play mode indicator/ Playing time

- , , , etc.: Current play mode indicator
Meanings of the icons are as follows:  (play),  (fast forward),  (fast backward),  (stop),  (resume stop),  (pause),  (slow playback),  (slow reverse playback).
- For confirmation of current playing position. You can drag the circle left or right to change the playing position.



4 Operation keys

-  : Searches for the previous/next content.
- Touch and hold to fast-forward or fast-backward the disc. (It will be cancelled automatically after about 50 seconds.)
- : Plays or pauses.
- : Displays the Graphic Equalizer screen. **(P.74)**

5 Indicator Items

- **IN:** Disc insertion status.
White: A Disc is inside the unit.
Orange: Disc player failure.

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.
- **ST:** Identifies the stereo audio output.
- **PBC:** The PBC function is on.
- **VER1:** The VCD version is 1.
- **VER2:** The VCD version is 2.

6 Searching area

Touch to search for the next/previous content.

7 Key display area

Touch to display the control screen.

8 MENU CTRL (DVD only)

Touch to display the DVD-VIDEO disc menu control screen. See **DVD Disc Menu Operation (P.27)**.

NOTE

- The control screen disappears when no operation is done for 5 seconds.
- If you use a remote control, you can jump directly to the desired image by entering the chapter number, scene number, play time, etc. **(P.80)**.

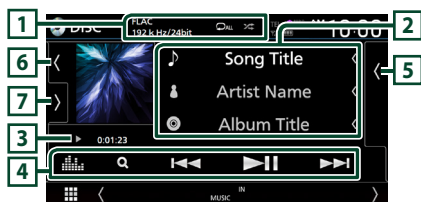
Music CD/ Disc media Basic Operation

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 for Music CD and audio files, see **Switch the operation mode (P.80)**.
- In this manual, "Music CD" means a general CD which includes music tracks.
"Disc media" means a CD/DVD disc which includes audio or video files.
- The screen shot below is for disc media. It may be different from the one for CD.

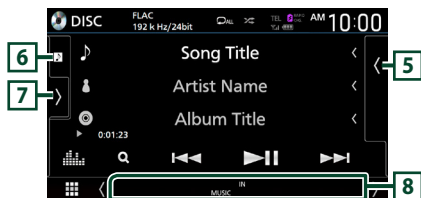
Control screen



Open the drawer



Close the drawer



1 CODEC / [Repeat] / [Random]

- When a high-resolution source is played, its format information is displayed. (Disc media only)
- [Repeat]: Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence;

Track/ File repeat ([Repeat]), Folder repeat ([Folder Repeat]) (Disc media only), Repeat all ([Repeat All])

- [Random]: Randomly plays all tracks in current folder/disc. Each time you touch the key, random mode switches in the following sequence;
Track random ([Track Random]) (Music CD only), Folder random ([Folder Random]) (Disc media only), Random off ([Random Off])

2 Track information

Displays the information of the current track/ file. Only a file name and a folder name are displayed if there is no tag information. (Disc media only)

3 Play mode indicator/ Playing time

- [Play], [Fast Forward], etc.: Current play mode indicator
Meanings of the icons are as follows: [Play] (play), [Fast Forward] (fast forward), [Fast Backward] (fast backward), [Pause] (pause).
- For confirmation of current playing position. You can drag the circle left or right to change the playing position. (Video file only)



4 Operation keys

- [Search] (Disc media only): Searches files. For details on search operation, see **File search Operation (P.26)**.
- [Previous/Next]: Searches for the previous/next content.
- Touch and hold to fast-forward or fast-backward the disc. (It will be cancelled automatically after about 50 seconds.)
- [Play/Pause]: Plays or pauses.
- [Equalizer]: Displays the Graphic Equalizer screen. (P.74)

5 Content list



- Touch the right side of the screen to display the Content list. Touch again to close the list.
- Displays the playing list. When you touch a track/file name on the list, playback will start.

6 Artwork/ Analog meter

- Displays/hides artwork area.
- The jacket of the currently playing file is displayed. (Disc media only)
- When touched, switches the artwork to the analog meter.

7 Function panel (Disc media only)

Touch the left side of the screen to display the function panel. Touch again to close the panel.

-   : Searches for the previous/next folder.

8 Indicator Items

- **IN** : Disc insertion status.
White: A Disc is inside the unit.
Orange: Disc player failure.
- **VIDEO** : Identifies the video file.
- **MUSIC** : Identifies the music file.

Video screen



9 File search area (Video file only)

Touch to search for the next/previous file.

10 Key display area (Video file only)


Touch to display the control screen.

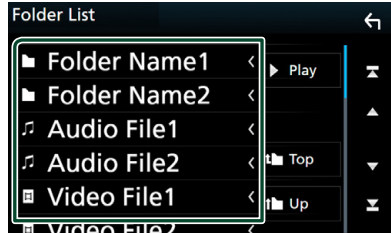
File search Operation (Disc media only)

You can search for a file according to hierarchy.

NOTE

- For operations in the list screen, see **List screen (P.16)**.

- 1 Touch  .
➤ Folder List screen appears.
- 2 Touch the desired folder.



- When you touch a folder its contents are displayed.
- 3 Touch the desired item in the content list.
➤ Playback starts.

DVD Disc Menu Operation

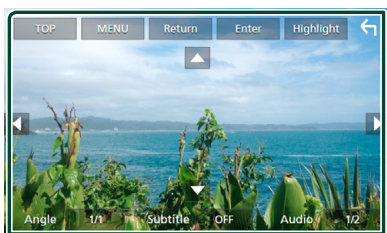
You can set up some functions using the DVD-VIDEO disc menu.

1 Touch the framed area during playback.



➤ Menu Control screen appears.

2 Perform your desired operation as follows.



■ To display the top menu

Touch **TOP**.*

■ To display the menu

Touch **MENU**.*

■ To display the previous menu

Touch **Return**.*

■ To enter selected item

Touch **Enter**.

■ To enable direct operation

Touch **Highlight** to enter the highlight control mode (P.27).

■ To move the cursor

Touch ▲, ▼, ◀, ▶.

■ To switch among subtitle languages

Touch **Subtitle**. Each time you touch this key, subtitle languages are switched.

■ To switch among audio languages

Touch **Audio**. Each time you touch this key, audio languages are switched.

■ To switch among picture angles

Touch **Angle**. Each time you touch this key, picture angles are switched.

*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** on the Menu Control screen.

2 Touch your desired item on the screen.



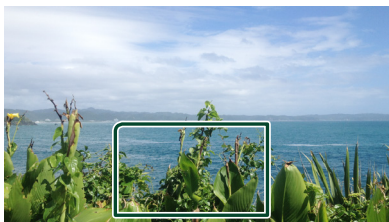
NOTE

- The highlight control function is cancelled automatically if you do not operate for a predetermined period of time.

DVD Setup

You can set up the DVD playback functions.

1 Touch the framed area during playback.

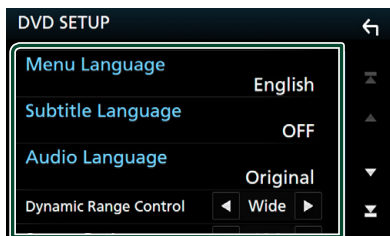


2 Touch **[>]** on the left side of the screen. Touch **SETUP**.



► DVD SETUP screen appears.

3 Set each function as follows.



■ **Menu Language / Subtitle Language / Audio Language**

See **Language setup (P.28)**.

■ **Dynamic Range Control**

Sets the dynamic range.

Wide: The dynamic range is wide.

Normal: The dynamic range is normal.

Dialog (Default): Makes the total sound volume larger than the volumes in other modes. This is effective only when the Dolby Digital software is in use.

■ **Screen Ratio**

Sets 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).

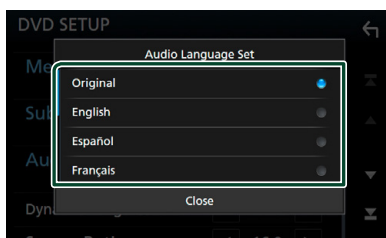
■ **Language setup**

This setting is for the languages used for the menu, subtitle, and voice.

1 Touch the desired item; **Menu Language, Subtitle Language, Audio Language.**

► Language Set screen appears.

2 Select a language.



For language codes, refer to **DVD Language Codes (P.97)**.

Touch Close to set the entered language and return to the DVD SETUP screen.

NOTE

- To set the DVD's original language as the audio language, touch **Original**.

APPS—Android Auto™/Apple CarPlay

Apple CarPlay Operation

CarPlay is a smarter, safer way to use your iPhone in the car. CarPlay takes the things you want to do with iPhone while driving and displays them on the screen of the product. You can get directions, make calls, send and receive messages, and listen to the music from iPhone while driving. You can also use Siri voice control to make it easier to operate iPhone.

For details about CarPlay, visit <https://ssl.apple.com/ios/carplay/>.

Compatible iPhone devices

You can use CarPlay with the following iPhone models.

- iPhone 7 Plus
- iPhone 6 Plus
- iPhone 7
- iPhone 6
- iPhone SE
- iPhone 5s
- iPhone 6s Plus
- iPhone 5c
- iPhone 6s
- iPhone 5

Connecting an iPhone

1 Connect your iPhone using KCA-iP103 via the USB (Black) terminal. (P.90)

When an iPhone compatible with CarPlay is connected to the USB (Black) terminal, the Bluetooth Hands-Free phone currently connected is disconnected.

2 Unlock your iPhone.

● Switching the Current Source to the Apple CarPlay Source When Connecting Your iPhone

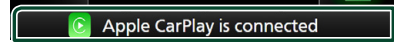
When the iPhone you used previously is connected again, a confirmation message appears to ask whether you are sure to start the CarPlay source.

1 Connect iPhone using KCA-iP103 via USB (Black) terminal.

2 Unlock your iPhone.

3 Touch the connection message at the bottom of the screen.

The current source is connected to the CarPlay source.



The connection message is displayed for about 5 seconds.

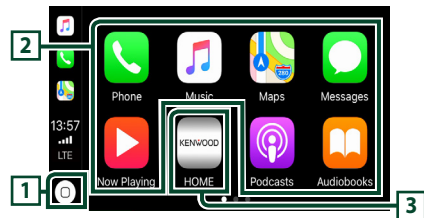
NOTE

- If the message disappears, select the CarPlay source on the source selection screen. (P.14)

Operation buttons and available Apps on the home screen of CarPlay

You can use the Apps of the connected iPhone. The items displayed and the language used on the screen differ among the connected devices.

To enter the CarPlay mode, touch **Apple CarPlay** icon on the source selection screen. (P.14)



- Displays the home screen of CarPlay.
- Touch and hold to activate Siri.

2 Application buttons

Starts the application.

3 HOME


Exits the CarPlay screen and displays the Home screen.

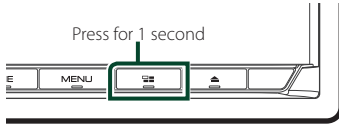
To exit the CarPlay screen

1 Press the HOME button.

Use Siri

You can activate Siri.

- 1 Press the  button for 1 second.



- 2 Talk to Siri.

To deactivate

- 1 Press the  button.

Switch to the Apple CarPlay screen while listening to another source

- 1 Press the  button.



NOTE

- When listening to another source with the Apple CarPlay screen displayed, playing music in the Apple CarPlay mode will switch the current source to the Apple CarPlay source.

Android Auto™ Operation

Android Auto enables you to use the functions of your Android device convenient for driving. You can easily access route guidance, make calls, listen to music, and access convenient functions on the Android device while driving. For details about Android Auto, visit <https://www.android.com/auto/> and <https://support.google.com/androidauto>.

Compatible Android devices

You can use Android Auto with Android devices of Android version 5.0 (Lollipop) or later.

NOTE

- Android Auto may not be available on all devices and may not be available in all countries or regions.

Connect Android device

- 1 Connect an Android device via the USB terminal. (P.91)

To use the hands-free function, connect the Android device via Bluetooth.

When an Android device compatible with Android Auto is connected to the USB terminal, the device is connected via Bluetooth automatically, and the Bluetooth Hands-Free phone currently connected is disconnected.

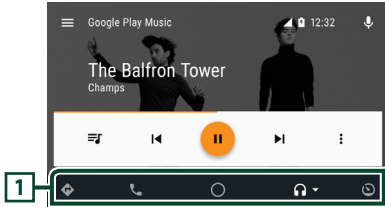
- 2 Unlock your Android device.

Operation buttons and available Apps on the Android Auto screen

You can perform the operations of the Apps of the connected Android device.

The items displayed on the screen differ among the connected Android devices.

To enter the Android Auto mode, touch the **Android Auto** icon on the source selection screen. (P.14)




1 Application/information buttons

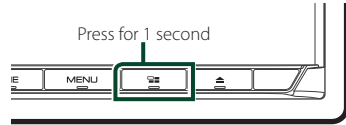
Starts the application or displays information.

To exit the Android Auto screen

- 1 Press the **HOME** button.

Using voice control

- 1 Press the  button for 1 second.



To cancel

- 1 Press the  button.

Switch to the Android Auto screen while listening to another source

- 1 Press the  button.



NOTE

- When listening to another source with the Android Auto screen displayed, playing music in the Android Auto mode will switch the current source to the Android Auto source.

WebLink™ Operation

You can display and control the App on the unit while your smartphone is connected to the USB terminal.

Preparation

- Install the latest version of the WebLink application "WebLink for KENWOOD" on your iPhone or Android.
- **iPhone:** Search for "WebLink for KENWOOD" in the Apple App Store to find and install the most current version.
- **Android:** Search for "WebLink for KENWOOD" in Google play to find and install the most current version.

Available Apps


You can use the following Apps on this unit. Install the Apps on your smartphone beforehand.

WebLink™

WebLink™ enables you to use the following Apps with the unit.

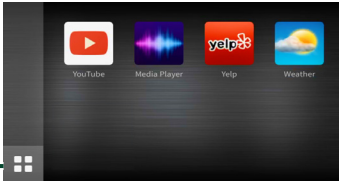
- Media player
- Yelp
- YouTube
- Weather

Connect a smartphone

- 1 Press the **HOME** button.
- 2 Touch .
- 3 Touch **WebLink**. (P.14)
- 4 **Connecting a smartphone**
 - Connect an Android device via the USB terminal. (P.91)
 - Connect your iPhone using KCA-iP103 via the USB (Black) terminal. (P.90)
 - When your smartphone is connected to a unit, a confirmation message to communicate each other appears on the smartphone. Touch **Allow / OK** to establish connection, or **Ignore / Cancel** to cancel the connection.
 - You can check the connection status on the WebLink™ screen on your smartphone.

Operation buttons and available Apps on the App screen

WebLink source screen



Displays the main menu of the “WebLink” source screen.



Returns to the previous screen.

1 Operate on your smartphone.

- When you are asked to communicate between your smartphone and the unit, touch **Allow** to proceed.

Switching to the App screen while listening to another source

1 Press the button.

NOTE

- When listening to another source with the WebLink screen displayed, playing music in the WebLink mode will switch the current source to the WebLink source.

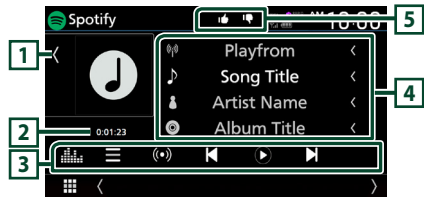
Spotify Operation

You can listen to Spotify on this unit by controlling the application installed in the iPhone or Android.

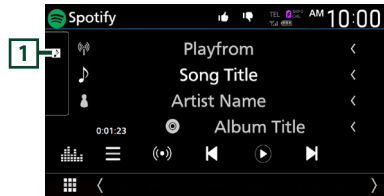
To select the Spotify source, touch **Spotify** icon on the source selection screen. (P.14)

Preparation

- Install the latest version of the Spotify application “Spotify” on your iPhone or Android.
iPhone: Search for “Spotify” in the Apple App Store to find and install the most current version.
Android: Search for “Spotify” in Google play to find and install the most current version.
- iPhones are connected via either USB or Bluetooth.
- Android devices are connected via Bluetooth.
- To connect a smartphone via Bluetooth, register it as the Bluetooth device and do the App (SPP) profile setting for the connection beforehand. See **Register the Bluetooth device (P.51)** and **Connect the Bluetooth device (P.52)**.



Close the drawer





1 Artwork







- Displays/hides artwork area.
- Picture data is displayed if available from the current content.

2 Playing time

- For confirmation of play time.

3 Operation keys





-  : Displays the Menu screen
-  : New radio station that relates to the artist of the currently being played song is selected and playback starts.

-  ,  : Skips the current song.
-  ,  : Plays or pauses the content of the current station.
-  : Saves the currently being played song to My Music.
-  : Displays the Graphic Equalizer screen. (P.74)

4 Content information

Displays the information on the current content being played.



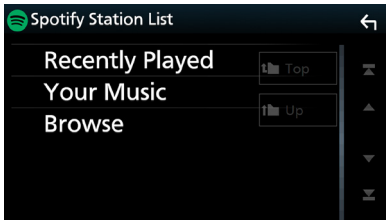
-  : Thumbs down to the current contents and skip to the next content.
-  : Registers the current content as a favorite content.
-  : Repeats the current song.
-  : Randomly plays all songs in the current playlist.

Selecting a track

1 Touch .

➤ Menu screen appears.

2 Select the list type, then select a desired item.



To select the category and station

Touch the category and station name in the list.

Top

Returns to the top of the list.

Up

Returns to the previous list.

About Spotify®

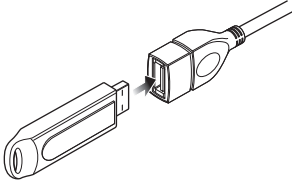
Note

- Ensure you are logged in to your smartphone application. If you do not have an Spotify account, you can create one for free from your smartphone or at www.spotify.com.
- Because Spotify 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 Spotify cannot be operated from this unit.
- For issues on using the application, contact Spotify at www.spotify.com.
- Establish an Internet connection.

USB/SD

Connecting a USB device

- 1 Connect the USB device with the USB cable. (P.90)



- 2 Press the **HOME** button.
- 3 Touch .
- 4 Touch **USB**. (P.14)

Disconnect the USB device

- 1 Press the **HOME** button.
- 2 Touch a source other than **USB**.
- 3 Detach the USB device.

Usable USB device

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

The word "USB device" appearing in this manual indicates a flash memory device.

● About the file system

The file system should be the one of the following.

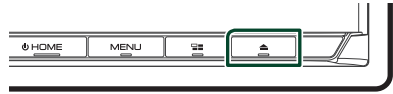
- FAT16
- FAT32
- exFAT
- NTFS

NOTE

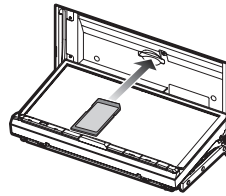
- Install the USB device in the place where it will not affect safe driving.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device. We shall have no compensation for any damage arising from any erased data.


Inserting the SD

- 1 Press the **▲** button.



- 2 Touch **OPEN** to the panel fully opens.
- 3 Insert the SD card into the slot until it clicks.



- 4 Press the **▲** button.
- 5 Press the **HOME** button.
- 6 Touch .
- 7 Touch **SD**. (P.14)

Remove the SD card

- 1 Press the **▲** button.
- 2 Touch **OPEN** to the panel fully opens.
- 3 Push the SD 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.
- 4 Press the **▲** button.

Usable SD card.

The unit is capable of playback of SD/SDHC/SDXC memory cards complying with the SD, SDHC or SDXC standard. A special adapter is required to use a miniSD card, miniSDHC card, microSD card, microSDHC, or microSDXC card. The MultiMedia Card (MMC) cannot be used.

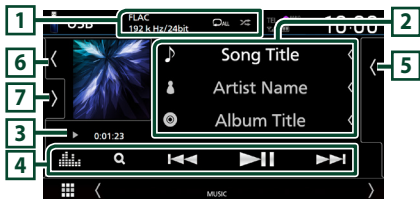
USB/SD Basic Operation

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 **Switch the operation mode (P.80)**.

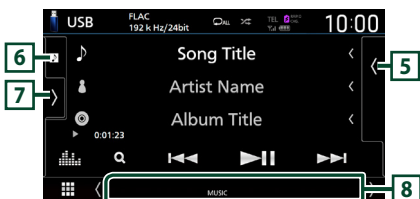
Control screen



Open the drawer



Close the drawer



1 CODEC / [Repeat] / [Shuffle]

- When a high-resolution source is played, its format information is displayed.
- [Repeat]: Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence: File repeat ([Repeat]), Folder repeat ([Folder]), Repeat all ([ALL]).
- [Shuffle]: Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence: File random ([Shuffle]), Random off ([Off]).

2 Track information

Displays the information on the current file. Only a file name and a folder name are displayed if there is no tag information.

3 Play mode indicator/ Playing time

- [Play], [Fast Forward], etc.: Current play mode indicator. Meanings of individual icons are as follows: [Play] (play), [Fast Forward] (fast forward), [Fast Backward] (fast backward), [Pause] (pause).
- For confirmation of current playing position. You can drag the circle left or right to change the playing position. (Video file only)



4 Operation keys

- [Search]: Searches track/file. For details on search operation, see **Search Operation (P.37)**.
- [Previous/Next]: Searches the previous/next track/file. Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)
- [Play/Pause]: Plays or pauses.
- [Equalizer]: Displays the Graphic Equalizer screen. (P.74)

5 Content list

- Touch the right side of the screen to display the Content list. Touch again to close the list.
- Displays the playing list. When you touch a track/file name on the list, playback will start.

6 Artwork/ Analog meter

- Displays/hides artwork area.
- The jacket of the currently playing file is displayed.
- When touched, switches the artwork to the analog meter.

7 Function panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- [Previous/Next]: Searches for the previous/next folder.

• USB DEVICE CHANGE:

Switches to another USB device when two USB devices are connected.

8 Indicator Items

- VIDEO**: Identifies the video file.
- MUSIC**: Identifies the music file.

Video screen

**9 File search area (Video file only)**

Touch to search for the next/previous file.

10 Key display area (Video file only)

Touch to display the control screen.

Search Operation

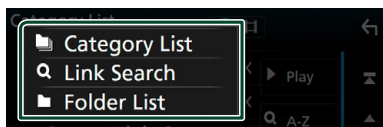
You can search music or video files by the following operations.

1 Touch **Q**.

2 Touch **▼**.



3 Select a list type.



NOTE

- For operations on the list screen, see **List screen (P.16)**.

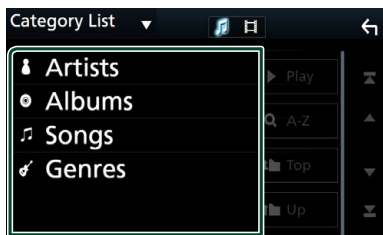
Category search

You can search for a file by selecting a category.

1 Touch **Category List**.

2 Select whether you search audio files or video files .

3 Touch the desired category.



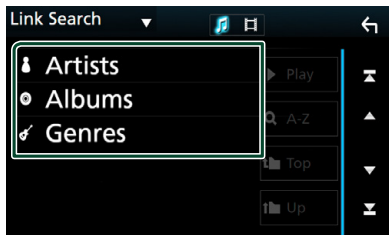
➤ The list corresponding to your selection appears.

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

Link search

You can search for a file of the same artist/album/genre as that in the current track.

- 1 Touch **Link Search**.
- 2 Touch the desired tag type. You can select from artists, albums and genres.



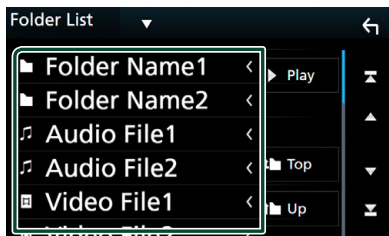
▶ The list corresponding to your selection appears.

- 3 Touch the desired item in the content list.

Folder search

You can search for a file according to hierarchy.

- 1 Touch **Folder List**.
- 2 Touch the desired folder.



When you touch a folder its contents are displayed.

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

iPod/iPhone

Preparation

Connectable iPod/iPhone

The following models can be connected to this unit.

Made for

- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPhone 6 Plus
- iPhone 6
- iPhone 5s
- iPhone 5c
- iPhone 5
- iPod touch (6th generation)
- iPod touch (5th generation)

NOTE


- Latest compatible list of iPod/iPhone. For details, see www.kenwood.com/cs/ce/ipod/.
- By connecting your iPod/iPhone to this unit with the iPod connection cable KCA-iP103 (optional accessory), you can supply power to your iPod/iPhone as well as charge it while playing music. Note that the power of this unit must be held on.
- If you restart playback after connecting the iPod, the music that has been played by the iPod is played first.

Connect iPod/iPhone

Wired connection

Preparation

- Connect an iPod/iPhone with the KCA-iP103 (optional accessory) while CarPlay is not connected.
- With a CarPlay-capable iPhone, turn off CarPlay by operating the iPhone at functional setup before connecting iPhone. For details of the setup method, contact the manufacturer of the terminal.
- Plug the iPod/iPhone into the gray USB terminal with the KCA-iP103 (optional accessory).
- Only one iPod/iPhone can be connected.

- 1 Connect the iPod/iPhone using the KCA-iP103. (P.90)
- 2 Press the **HOME** button.
- 3 Touch .
- 4 Touch **iPod**. (P.14)

● **To disconnect the iPod/iPhone connected with the cable:**

- 1 Detach the iPod/iPhone.

Bluetooth connection

Pair the iPhone through Bluetooth.

Preparation

- To connect an iPhone via Bluetooth, register it as a Bluetooth device and do the profile setting for the connection beforehand. See **Register the Bluetooth device (P.51)** and **Connect the Bluetooth device (P.52)**.
- Connect an iPhone via Bluetooth while CarPlay and an iPod/iPhone are not connected via USB.

● **Select the method of making connections for outputting sound from the iPod source.**

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **SETUP**.
 - SETUP screen appears.
- 3 Touch **AV**.
 - AV screen appears.
- 4 Touch **iPod Bluetooth Connection**.

Bluetooth (Default): Output sound using a Bluetooth device.

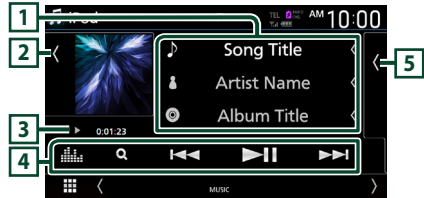
Bluetooth+HDMI: Output sound using an HDMI device and perform music selection, etc. using a Bluetooth device.

iPod/iPhone Basic Operation

NOTE

- Set the remote controller mode switch to AUD mode before starting operation, see **Switch the operation mode (P.80)**.

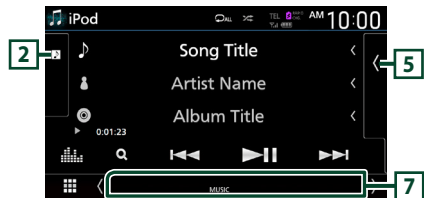
Control screen



Open the drawer



Close the drawer



1 Track information

- Displays the information on the current file.
- Touch to display the category list screen. See **Category search (P.40)**.

2 Artwork/ Analog meter

- Displays/hides artwork area.
- The jacket of the currently being played file is displayed.
- When touched, switches the artwork to the analog meter.

3 Play mode indicator/ Playing time

- ▶, ▶▶, etc.: Current play mode indicator
Meanings of individual icons are as follows:
▶ (play), ▶▶ (fast forward), ◀◀ (fast backward), || (pause).








4 Operation keys

- **Q** : Searches for a track/file. For details on search operation, see **Search Operation (P.40)**.
- **◀◀ ▶▶** : Searches for the previous/next track/file.
Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)
- **▶||** : Plays or pauses.
- **EQ** : Displays the Graphic Equalizer screen. **(P.74)**

5 Content list

- Touch the right side of the screen to display the Content list. Touch again to close the list.
- Displays the playing list. When you touch a track/file name on the list, playback will start.

6 /

-  : Repeats the current track/album. Each time you touch the key, repeat modes are switched in the following sequence: Song repeat (), All songs repeat (), Repeat off ()
-  : Randomly plays all tracks in the current album. Each time you touch the key, random modes are switched in the following sequence: Song random (), Random off ()

7 Indicator Items

- **MUSIC** : Identifies the music file.

Search Operation

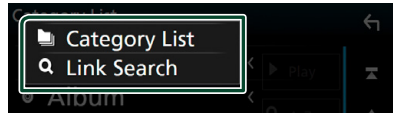
You can search music files by the following operations.

1 Touch **Q** .

2 Touch **▼** .



3 Select a list type.



NOTE

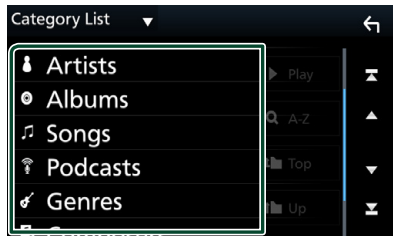
- For operations on the list screen, see **List screen (P.16)**.

Category search

You can search for a file by selecting a category.

1 Touch **Category List** .

2 Touch the desired category.



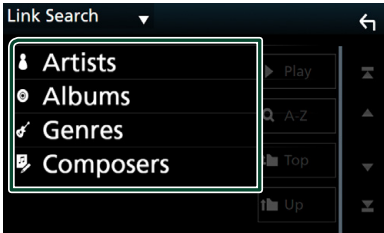
➤ The list corresponding to your selection appears.

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

Link search

You can search for a file of the same artist/album/genre/composer as that in the current track.

- 1 Touch Link Search.**
- 2 Touch the desired tag type. You can select from artists, albums, genres and composers.**



- The list corresponding to your selection appears.

- 3 Touch the desired item in the content list.**

Radio

Radio Basic Operation

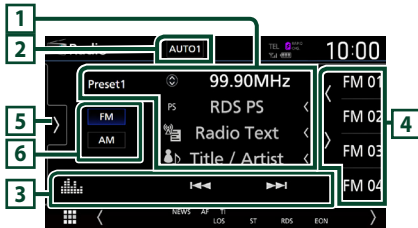
Most functions can be controlled from the source control screen.

To listen to the Radio source, touch **Radio** icon on the source selection screen. (P.14)

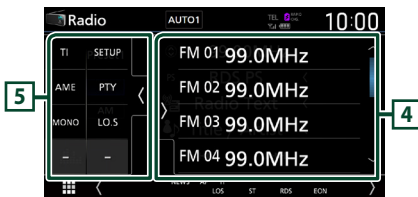
NOTE

- Set the remote controller mode switch to AUD mode before starting operation, see **Switch the operation mode (P.80)**.

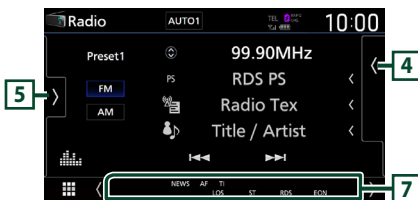
Control screen



Open the drawer



Close the drawer



1 Information display

Displays the information on the current station: Frequency

Touching  allows you to switch between Content A and Content B.

Content A: PS name, Radio Text, Title & Artist

Content B: PTY Genre, Radio Text plus



Preset#: Preset number

2 Seek mode



Touch to switch seek modes in the following sequence: **AUTO1**, **AUTO2**, **MANUAL**.

- AUTO1**: Tunes in a station with good reception automatically.
- AUTO2**: Tunes in the memorized stations one after another.
- MANUAL**: Switches to the next frequency manually.

3 Operation keys

- : Tunes in a station. The method of switching frequencies can be changed (see **2** Seek mode).
- : Displays the Graphic Equalizer screen. (P.74)

4 Preset list

- Touching  /  allows you to change the display size.
- Recalls the memorized station.
- When touched for 2 seconds, stores the currently being received station in the memory.

5 Function panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- TI** (FM only): Selects the traffic information mode. For details, see **Traffic Information (P.44)**.
- SETUP** (FM only): Displays the Radio SETUP screen. For details, see **Radio Setup (P.44)**.
- AME**: Presets stations automatically. For details, see **Auto memory (P.43)**.
- PTY** (FM only): Searches for a program by program type. For details, see **Search by program type (P.43)**.
- MONO** (FM only): Selects the Monaural reception mode.
- LO.S** (FM only): Turns the Local Seek function on or off.

6 Band buttons

Switches bands (between FM and AM).

7 Indicator Items

- ST**: A stereo broadcast is being received.
- MONO**: The forced monaural function is on.
- AF**: The AF search function is on.

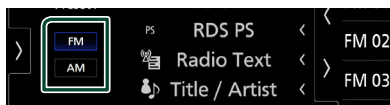
- **EON**: The Radio Data System station is sending EON.
- **LOS**: The Local Seek function is on.
- **NEWS**: News bulletin interruption is in progress.
- **RDS**: Indicates the state of the Radio Data System station when the AF function is on.
White: Radio Data System is being received.
Orange: Radio Data System is not being received.
- **TI**: Indicates the reception state of traffic information.
White: TP is being received.
Orange: TP is not being received.

Memory Operation

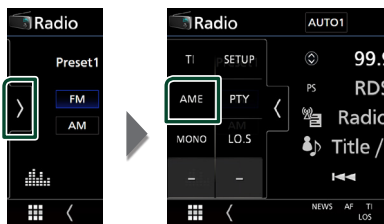
Auto memory

You can store stations with good reception in the memory automatically.

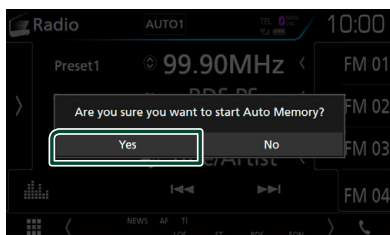
1 Touch desired band key.



2 Touch > on the left side of the screen. Touch AME.



3 Touch Yes.



➤ Auto memory starts.

Manual memory

You can store the currently being received station in the memory.

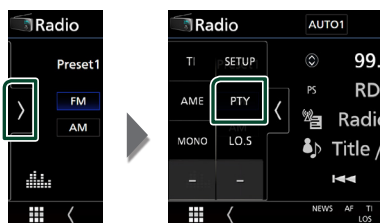
- 1 Select the station you wish to store in the memory.
- 2 Touch **FM#** (#:1-15) or **AM#** (#:1-5) in which you want to store the station for 2 seconds until a beep sounds.

Selecting Operation

Search by program type (FM only)

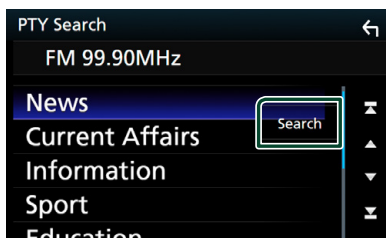
You can tune in the station broadcasting the specified type of program when listening to FM.

- 1 Touch > on the left side of the screen. Touch **PTY**.



➤ PTY Search screen appears.

- 2 Select a program type from the list.
- 3 Touch **Search**.

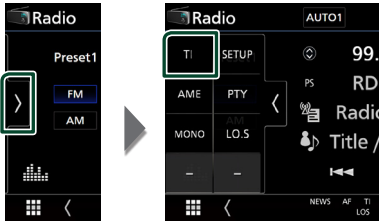


You can search for the station broadcasting the selected type of program.

Traffic Information (FM only)

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

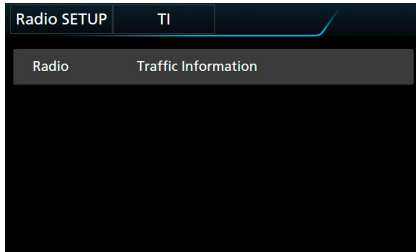
- 1 Touch **>** on the left side of the screen. Touch **TI**.



➤ Traffic information mode is set.

When the traffic bulletin starts

The Traffic Information screen appears automatically.



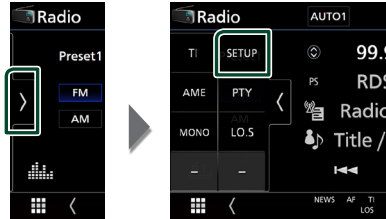
NOTE

- It is necessary to turn on the Traffic Information function in order to allow the Traffic Information screen to appear automatically.
- The volume setting made during reception of traffic information is automatically memorized. When the traffic information is received next time, this unit recalls the volume setting automatically.

Radio Setup

You can set tuner related parameters.

- 1 Touch **>** on the left side of the screen. Touch **SETUP**.



➤ Radio SETUP screen appears.

- 2 Set each function as follows.

NEWS

Sets a news bulletin interrupt time. Default is "OFF".

AF

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 "ON".

Regional

Sets whether to switch to the station only in the specific region using the "AF" control. Default is "ON".

Auto TP Seek

When traffic information station reception is poor, automatically searches for a station that can be received better. Default is "ON".

Language Select

Selects a display language for the PTY function.

DAB

DAB Basic Operation

Most functions can be controlled from the source control screen.

To listen to DAB source, touch **DAB** icon on the source selection screen. (**P.14**)

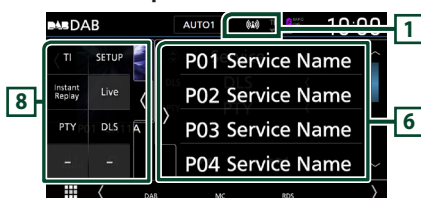
NOTE

- Set the remote controller mode switch to **AUD** mode before starting operation, see **Switch the operation mode (P.80)**.

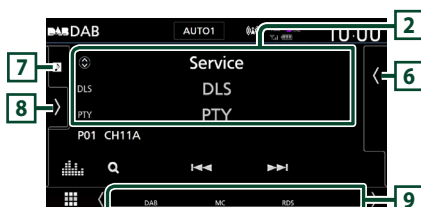
Control screen



Open the drawer



Close the drawer



1 Indicator display

Displays the received signal strength.

2 Information display

Displays the information on the current station:
Service Name

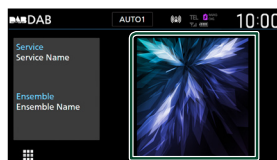
Touching allows you to switch between Content A, Content B and Content C.

Content A: DLS, PTY Genre

Content B: Song Title, Artist Name, Ensemble name

Content C: Now Playing, Next Program, Audio Quality

Touch to switch between the Control and Information screen.



3 Seek mode

Touch to switch seek modes in the following sequence: **AUTO1**, **AUTO2**, **MANUAL**.

- AUTO1**: Tunes in a ensemble with good reception automatically.
- AUTO2**: Tunes in the memorized ensemble one after another.
- MANUAL**: Switches to the next ensemble manually.

4 Indicator display

P#: Preset number

CH#: Channel display

5 Operation keys

- : Displays the Service List screen. For details on search operation, see **Service search (P.47)**.
- : Tunes in a ensemble, service, and component. The seek mode switching can be changed. (see **3** Seek mode).
- : Displays the Graphic Equalizer screen. (**P.74**)

6 Preset list

- Touching allows you to change the display size.
- Recalls the memorized service.
- When touched for 2 seconds, stores the currently being received service in the memory.

7 Artwork area/ Analog meter

- Displays/hides artwork area.
- The picture data is displayed if available from current content.
- When touched, switches the artwork to the analog meter.

8 Function panel

Touch the left side of the screen to display the function panel. Touch again to close the panel.

- **TI**: Selects the traffic information mode. For details, see **Traffic Information (P.47)**.
- **SETUP**: Displays the DAB SETUP screen. For details, see **DAB Setup (P.48)**.
- **Instant Replay** (Live mode only): Change the Replay mode. See **Replay (P.48)**.
- **Live** (Replay mode only): Change the Live mode.
- **PTY** (Live mode only): Searches for a program by program type. For details, see **Search by program type (P.46)**.
- **DLS**: Display the Dynamic Label Segment screen.

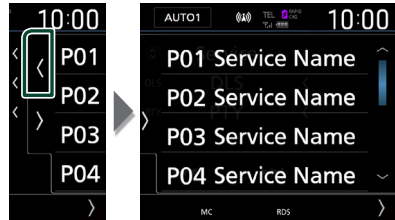
9 Indicator Items

- **DAB**: Digital Radio is being received.
- **RDS**: Radio Data System is being received.
- **MC**: Receiving service is displayed.
White: Primary Component is received.
Orange: Secondary Component is received.
- **TI**: Indicates the reception state of traffic information.
White: TP is being received.
Orange: TP is not being received.

Storing Service in Preset Memory

You can store the current receiving service in the memory.

- 1 Select a service you wish to store in memory.
- 2 Touch **<** on the right side of the screen.



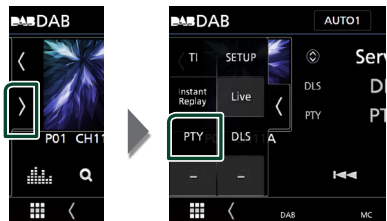
- 3 Touch **P#** (#:1-15) in which you want to store the station for 2 seconds until a beep sounds.

Selecting Operation

Search by program type

You can tune in the station broadcasting the specified type of program when listening to Digital Radio.

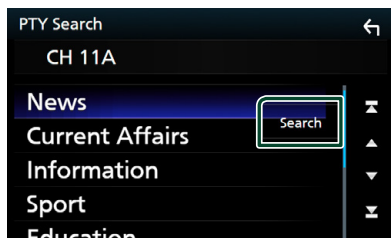
- 1 Touch **>** on the left side of the screen. Touch **PTY**.



> PTY Search screen appears.

- 2 Select a program type from the list.

3 Touch Search.



You can search for the station broadcasting the selected type of program.

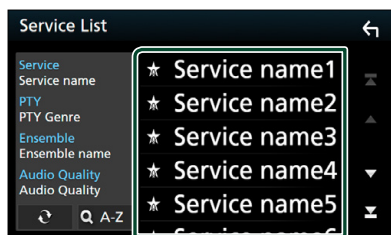
Service search

You can select a service from a list of all services received.

1 Touch Q.



2 Select the desired content from the list.



Touch and hold to find the latest service list.



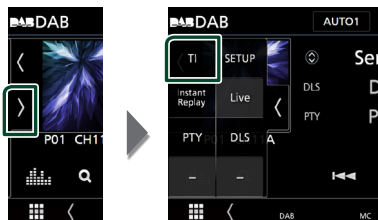
Displays the keyboard screen.

Jump to the letter you entered (alphabet search).

Traffic Information

You can listen to and watch traffic information automatically when a traffic bulletin starts. However, this feature requires a Digital Radio that includes TI information.

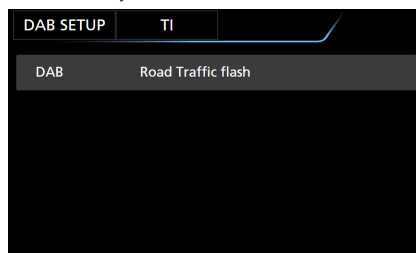
1 Touch on the left side of the screen. Touch TI.



➤ Traffic information mode is set.

When the traffic bulletin starts

The Traffic Information screen appears automatically.



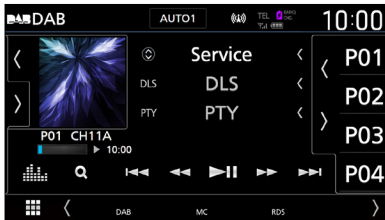
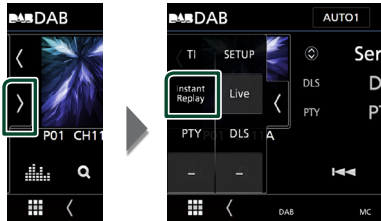
NOTE

- It is necessary to turn on the Traffic Information function in order to allow the Traffic Information screen to appear automatically.
- The volume setting made during reception of traffic information is automatically memorized. When the traffic information is received next time, this unit recalls the volume setting automatically.

Replay

You can replay last 30 minutes of current station.

- 1 Touch **>** on the left side of the screen. Touch **Instant Replay**.



Forward/backward 15 seconds when touch it.



Fast forward/fast backward when keep on touching. (It will be cancelled automatically after about 50 seconds.)



Plays or pauses.

■ Replay time bar

Display recorded capacity

To return to live

- 1 Touch **<** on the left side of the screen.
- 2 Touch **Live**.

NOTE

- PTY Watch starts operating and Replay function cannot be used while receiving a program.
- While replaying the current station, you can not store the station by **Storing Service in Preset Memory (P.46)**.

DAB Setup

You can set Digital Radio related parameters.

- 1 Touch **>** on the left side of the screen. Touch **SETUP**.



> DAB SETUP screen appears.

- 2 Set each function as follows.

■ Priority

If the same service is provided by Digital Radio during Radio Data System reception, automatically switches to Digital Radio. If the same service is provided by Radio Data System when reception of the service being provided by Digital Radio becomes poor, automatically switches to Radio Data System.

■ PTY Watch

If the service of the set program type begins with the ensemble being received, switches from any source to Digital Radio for service reception.

■ Announcement Select

Switches to the set Announcement service. For details, see **Announcement setup (P.49)**.

■ Seamless Blend

Prevents audio break when switching from Digital Radio to Analog Radio. Default is "ON".

■ Antenna Power

Sets power supply to the Digital Radio antenna. Set to "ON" when the Digital Radio antenna in use is equipped with a booster. Default is "ON".

■ Related Service

When you select ON, the unit switches to a related service (if exists) when a DAB service network is not available. Default is "OFF".

■ Language Select

Selects a display language for the PTY function.

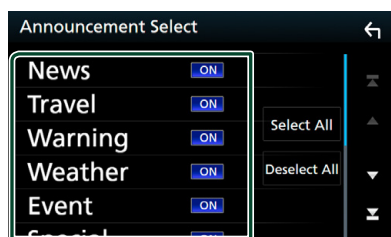
■ Announcement setup

When the service for which ON is selected starts, switches from any source to Announcement to receive it.

1 Touch **Announcement Select** on the **DAB SETUP** screen.

- The Announcement Select screen appears.

2 Touch each Announcement list and set on or off.



■ Select All

Turn on the all announcements.

■ Deselect All

Turn off the all announcements.

NOTE

- The volume setting during reception of Announcement service is automatically stored. The next time the Announcement service is received, this unit recalls the volume setting automatically.

Bluetooth Control

Using the Bluetooth function allows you to use various functions such as listening to the audio file and making/receiving a call.

Information for using Bluetooth® devices



Bluetooth is a short-range wireless radio communication technology for mobile devices such as mobile phones, portable PCs, and other devices.

Bluetooth devices can be connected without cables and communication with each other.

NOTE

- While driving, do not perform complicated operations such as dialing numbers, using the phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- Some Bluetooth devices are disconnected when this unit is turned off.

About the cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version

Bluetooth Ver. 4.1

Profiles

Cell-phone:

HFP (V1.7) (Hands Free Profile)

SPP (Serial Port Profile)

PBAP (Phonebook Access Profile)

Audio player:

A2DP (Advanced Audio Distribution Profile)

AVRCP (V1.6) (Audio/Video Remote Control Profile)

Sound codec

SBC, AAC

NOTE

- The units supporting the Bluetooth function have been certified for conformity with the Bluetooth Standard according to the procedure prescribed by Bluetooth SIG.
- However, it may be impossible for such units to communicate with your cell-phone depending on its type.

Register the Bluetooth device

It is necessary to register the Bluetooth audio player or cell-phone in this unit before using the Bluetooth function.

You can register up to 10 Bluetooth devices.

NOTE

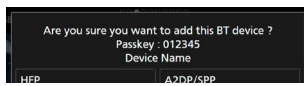
- Up to 10 Bluetooth devices can be registered. If an attempt is made to register the 11th Bluetooth device, the Bluetooth device connected on the earliest date will be deleted to register the 11th one.
- This unit is compatible with the Apple Easy Pairing function. When an iPod touch or iPhone is connected to this unit, an authentication dialog appears. Performing operation for authentication on this unit or iOS smartphone registers the smartphone as a Bluetooth device.

1 Search for the unit (“DNX9180DABS”) from your smartphone/cell-phone.

Complete steps 1 to 4 within 30 seconds.

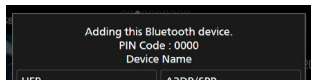
2 Operate your smartphone/cell-phone according to the displayed messages.

- Confirm the request both on the smartphone/cell-phone.

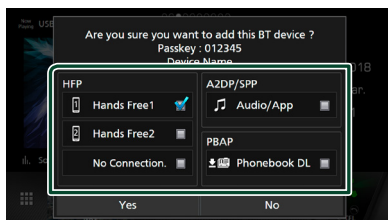


- Input the PIN Code in your smartphone/cell-phone.

PIN Code is set to “0000” as the default.



3 Select the function you want to use.



- **HFP Hands Free1 / Hands Free2 / No Connection.**

Select the hands-free number to connect.

- **A2DP/SPP Audio/App**

Select if you want to use the audio player app in your smartphone over A2DP, and the other apps in your smartphone over SPP.

- **PBAP Phonebook DL**

Select if you want to transfer your phonebook data.

4 Touch Yes.

When data transmission and connection have completed, the Bluetooth connection icon appears on the screen.

Bluetooth Setup

1 Press the MENU button.

➤ Pop up menu appears.

2 Touch SETUP.



➤ SETUP Menu screen appears.

3 Touch Bluetooth.



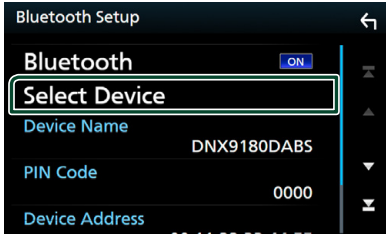
➤ Bluetooth SETUP screen appears.

See the following section for each setting.

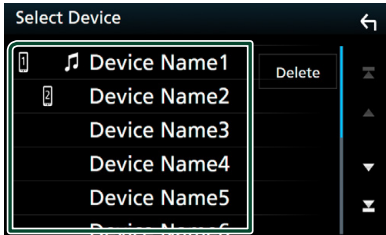
- Connect the Bluetooth device (**P.52**)
- Change the PIN Code (**P.53**)
- Change the device name (**P.53**)

Connect the Bluetooth device

1 Touch **Select Device** on the Bluetooth SETUP screen.



2 Touch the name of the device you want to connect.

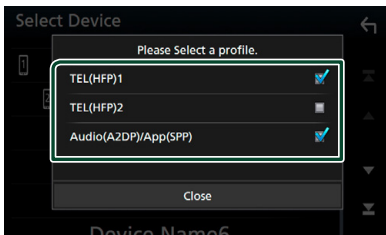


> Profile select screen appears.

NOTE

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

3 Set each profile as follows.



■ TEL (HFP) 1, TEL (HFP) 2

Select when the device is connected with the unit as hands-free phone 1 or 2.

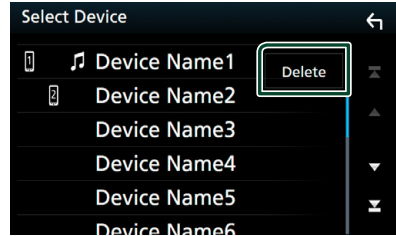
■ Audio (A2DP)/App (SPP)

Select to interwork with an application installed in a smartphone or to use as an audio player.

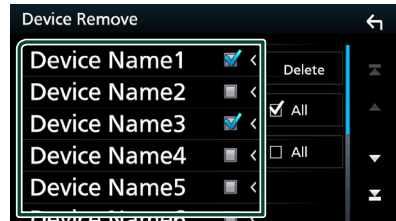
4 Touch **Close**.

To delete the registered Bluetooth device

1 Touch **Delete**.



2 Touch the device name to check.



■ All

Selects all Bluetooth devices.

■ All


Clears all check marks.

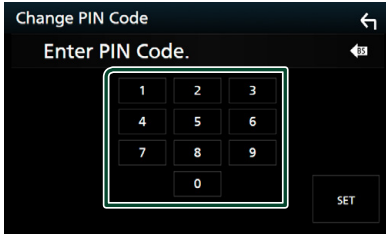
3 Touch **Delete**.

> Confirmation message appears.

4 Touch **Yes**.


Change the PIN Code

- 1 Touch **PIN Code** on the Bluetooth SETUP screen.
 - Change PIN Code screen appears.
- 2 Touch and hold .
- 3 Input the PIN Code.



- 4 Touch **SET**.

Change the device name

- 1 Touch **Device Name** on the Bluetooth SETUP screen.
 - Change Device Name screen appears.
- 2 Touch and hold .
- 3 Input the device name.



- 4 Touch **Enter**.

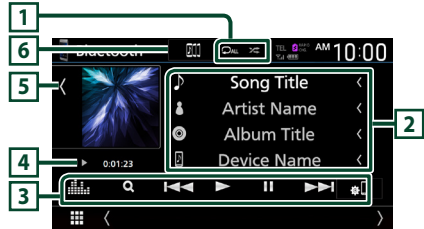
Playing the Bluetooth Audio Device

Most function can be controlled from the source control screen.










To select Bluetooth source, touch **Bluetooth** icon on the source selection screen. (P.14)

Bluetooth basic operation

Control screen









1 / *

-  : Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence: File repeat (), Folder repeat (), All songs repeat (), Repeat off ()
-  : Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence: Folder random (), All random (), Random off ()

2 Information display *

- Displays the name of track information.
- Connected device name.

3 Operation keys *

-  : Searches for a file. See **File search** (P.55).
-  : Searches for the previous/next content. Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)
-  : Plays.
-  : Pauses.
-  : Displays the Bluetooth SETUP screen.
-  : Displays the Graphic Equalizer screen. (P.74)

4 Play mode indicator/ Playing time

- ▶, II : Current play mode indicator
- Meanings of individual icons are as follows:
- ▶ (play), ▶▶ (fast forward), ◀◀ (fast backward), II (pause), ■ (stop).

5 Artwork/ Analog meter

- Displays/hides artwork area.
- When touched, switches the artwork to the analog meter.

6 KENWOOD Music Mix

Bluetooth audio devices can be switched easily to play music. See **KENWOOD Music Mix (P.54)**.

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

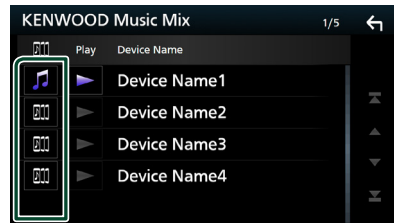
NOTE

- The operation buttons, indications and information displayed on the screen differ depending on the connected device.
- If the operation keys do not appear, operate from the player.
- Depending on your cell-phone or audio player, sound may be heard and controlled but text information may not appear.
- If the volume is too low, raise it on your cell-phone or audio player.

KENWOOD Music Mix

Up to five Bluetooth audio device can be connected and switched easily to play music.

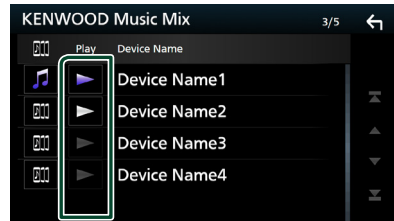
- 1 Touch** .
▶ A list of registered devices is displayed.
- 2 Touch** of device name you want to connect.
 - Touching displays the Bluetooth device connection setup screen. (P.52)
 - Touching on the left of the connected device (▶) disconnects this device.



- : Device used normally.
- : Device used for KENWOOD MusicMix

- 3 Touch** (white) on the left of the name of the device to be played.

(white) changes to (purple) and starts playback.



- (Gray) : Not connected.
- (White) : Connected.
- (Purple) : During playback.

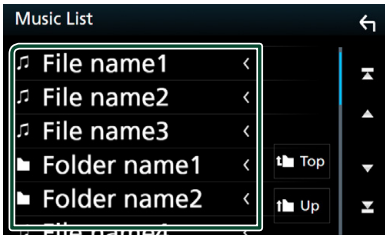
- 4 Touch** .

NOTE

- If a connected Bluetooth audio device is operated to play music, connections are switched.
- When a Bluetooth source is switched to another one, its settings are deleted and the connection is restored to the connection before source switching.

File search

- 1 Touch **Q**.
- 2 Touch the desired file or folder.



When you touch a folder its contents are displayed.

- 3 Touch the desired item in the content list.
 - Playback starts.

NOTE

- For operations in the list screen, see **List screen (P.16)**.

Using the Hands-Free Unit

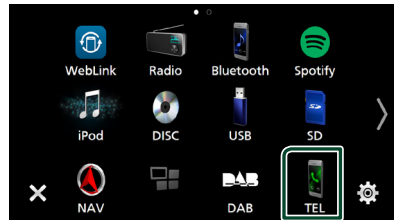
You can use the telephone function by connecting the Bluetooth telephone to this unit.

NOTE

- If you use the hands-free function frequently, move the TEL short-cut button (icon) to the Home screen. **(P.15)**
- While Apple CarPlay or Android Auto is connected, the Bluetooth Hands-Free function and two Bluetooth devices connections cannot be used. Only the Apple CarPlay or Android Auto Hands-Free function can be used.

Make a call

- 1 Press the **HOME** button.
- 2 Touch .
- 3 Touch **TEL**.



➤ Hands Free screen appears.





NOTE

- If your mobile phone supports PBAP, you can display the phone book and call lists onto the touch panel screen when the mobile phone is connected.
 - Phone book: up to 1000 entries
 - Up to 50 entries including dialed calls, received calls, and missed calls

Bluetooth Control


4 Select a dialing method.



- : Call using call records
- : Call using the phonebook
- : Call using the preset number
- : Call by entering a phone number

● Select the cell-phone to use

When you connect two cell-phones

- 1) Touch  to select the phone you want to use.

● Bluetooth SETUP

- 1) Touch .
Bluetooth SETUP screen appears.


● Voice Recognition

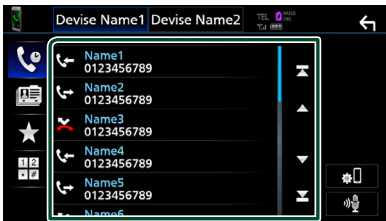
- 1) Touch . (P.57)

NOTE


- Status icons such as battery and antenna icons may differ from those displayed on the cell-phone.
- Setting the cell-phone in the private mode can disable the hands-free function.

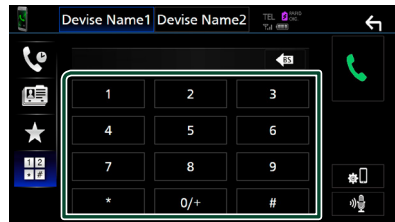
Call using call records

- 1 Touch .
- 2 Select the phone number from the list.



Call by entering a phone number

- 1 Touch .
- 2 Enter a phone number with number keys.





- 3 Touch .

Call using the preset number

- 1 Touch .
- 2 Touch the name or phone number.



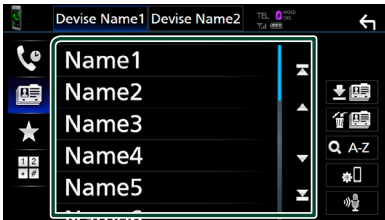
Call using the phonebook

- 1 Touch .
- 2 Touch .
- 3 Select the initial.

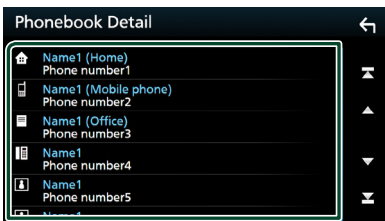


- Characters with no corresponding name will not appear.
- A first character with an accent character such as “ü” can be searched for with a non-accent character “u”. A character with an accent character in a sentence cannot be searched for.

- 4 Select the person you want to call from the list.



- 5 Select the phone number from the list.




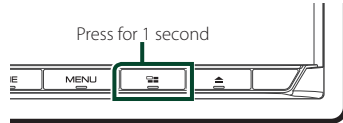
NOTE

- You can sort the phone numbers in the list by last name or first name. For details, see **Hands-Free Setup (P.60)**.

Voice Recognition

You can access the voice recognition function of the cell-phone connected to this unit. You can search the cell-phone phonebook by voice. (The functionality depends on the cell-phone.)


- 1 Press the  button for 1 second.





➤ Voice Recognition screen appears.

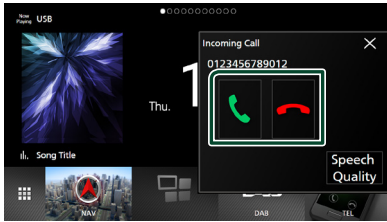
- 2 Start speaking.

NOTE

- You can use the voice recognition function by touching  on the Hands Free screen.

Receive a call

- 1 Touch  to answer a phone call or  to reject an incoming call.



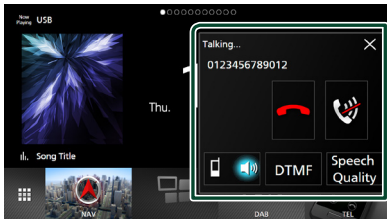
NOTE

- While monitoring the picture from the view camera, this screen does not appear even if a call comes in.

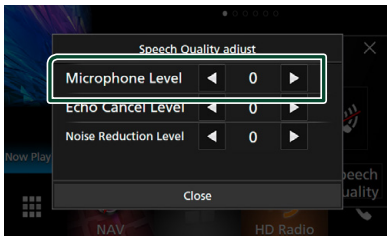
To end call

- 1 While talking, touch .

Operations during a call

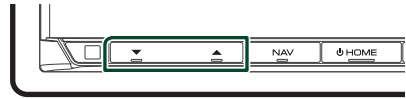


- **Adjust the volume of your voice**
- 1) Touch **Speech Quality**.
 - 2) Touch ◀ or ▶ for **Microphone Level**.




- **Adjust the receiver volume**

Press the ▼ or ▲ button.





- **Mute your voice**

Touch  to mute or not to mute your voice.


- **Output the dial tone**


Touch **DTMF** to display the tone input screen. You can send tones by touching desired keys on the screen.


- **Switching between speaking voice output destinations**

Touching  /  each time switches speaking voice output destinations between the cell-phone and the speaker.

- **Call-waiting**

When you receive a new call while talking on the phone, you can answer the newly received call by touching . The current call is put on hold.

Each time you touch , the caller will change to the other one.

When you touch , the current call will end to be switched to the call waiting on hold.

- **To close the Hands-Free popup screen**

Touching ✕ to close the Hands-Free popup screen.

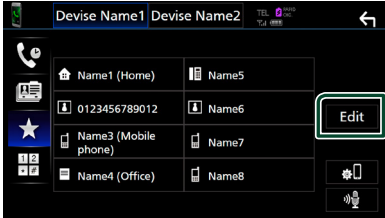
To display it again

- ① Press the **HOME** button.
- ② Touch .
- ③ Touch **TEL**.

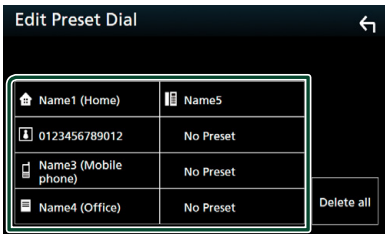
Phone number preset

You can register frequently used phone numbers in this unit.

- 1 Touch .
- 2 Touch **Edit**.



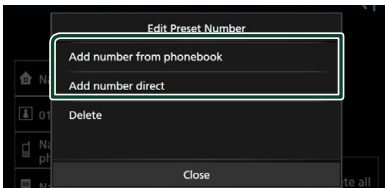
- 3 Select where to preset.



Delete all

To delete all preset numbers, touch **Delete all** and then touch **OK** on the confirmation screen.

- 4 Select how to preset.



Add number from phonebook

Select the number to preset from the phonebook. See **Call using the phonebook (P.57)**.

Add number direct


Enter the telephone number directly and touch **SET**. See **Call by entering a phone number (P.56)**.

Delete

To delete a preset number, touch **Delete** and then touch **OK** on the confirmation screen.

Phonebook transfer

You can transfer phonebook data from your Bluetooth smartphone using PBAP.

- 1 Touch .
- 2 Touch .




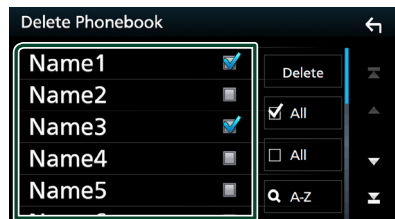
> Phonebook data transfer starts.

NOTE

- If the Phonebook contains more than 1000 entries, Phonebook data cannot be transferred.
- If no Phonebook has been downloaded, touching **Download Phonebook Now** will start downloading the Phonebook.

Phonebook deletion

- 1 Touch .
- 2 Touch the name to check.



All

Checks all boxes.

All

Clears all check marks.

- 3 Touch **Delete**.

> Confirmation message appears.

- 4 Touch **OK**.

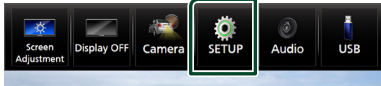
Hands-Free Setup

You can make various settings for the Hands-Free function.

1 Press the MENU button.

➤ Popup menu appears.

2 Touch SETUP.



➤ SETUP Menu screen appears.

3 Touch Bluetooth.

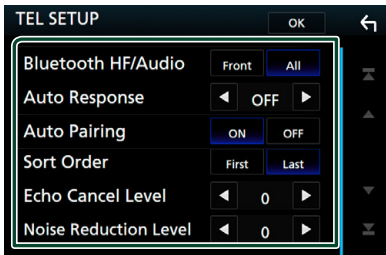


➤ Bluetooth SETUP screen appears.

4 Touch TEL SETUP.

➤ TEL SETUP screen appears.

5 Set each function as follows.



Bluetooth HF/Audio

Select the speakers to output the sound from the cell-phone (such as phone call voice and ringing tone) and Bluetooth audio player.

Front: Outputs sound from the front speakers.

All (Default): Outputs sound from all speakers.

Auto Response*

Set the automatic response time to pick-up an incoming call.

OFF (Default): Turns off the Automatic response function.

1 / 5 / 10 / 15 / 20 / 25 / 30: Sets the ringing time (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): Turns on the Apple Auto Pairing function.

OFF: Turns off the Apple Auto Pairing function.

Sort Order

Set how to sort the data in the cell-phone phonebook.

First: Sorts data by the first name.

Last (Default): Sorts data by the last name.

Echo Cancel Level

Adjust the level of echo cancellation.

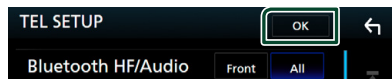
Default is "0".

Noise Reduction Level

Reduce the noise generated in the surrounding environment without changing the microphone volume. Use this function when the voice of caller is not clear. Default is "0".

* Either the auto response time set on this unit or the time set on the cell-phone, whichever is shorter takes effect.

6 Touch OK.



Other External Components

View Camera

NOTE

- To connect a camera, see **P.89**.
- To use a rear view camera, a REVERSE lead connection is required. (**P.88**)
- If **Rear Camera Interruption** is active the camera screen is displayed when you shift the gear to the reverse (R) position.

Display the camera screen

1 Press the **MENU** button.

- Popup menu appears.

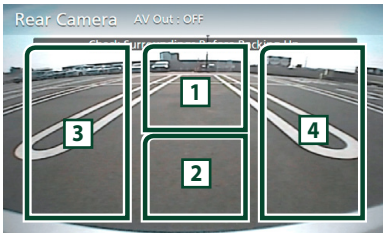
2 Touch **Camera**.



- View camera screen appears.

3 Adjust each item as follows.

To erase the caution message, touch the screen.



1 **Switching the View Camera** *1

Touch to change the front view camera or dashboard camera and rear view camera.

2 **Camera off**

Touch to exit the camera screen.

3 **Switching the Guideline** *2

Touching each time turns on or off the guideline.

4 **Switching the Angle** *2

Touching each time changes camera angles:

*1 When the front camera or dashboard camera, and rear camera are connected with this unit.

*2 When CMOS-3xx series is connected with this unit.

Camera Setup

1 Press the **MENU** button.

- Popup menu appears.

2 Touch **SETUP**.

- SETUP Menu screen appears.

3 Touch **Camera**.



- Camera screen appears.

4 Set each item as follows.

■ **Rear Camera Interruption**

ON: Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.

OFF (Default): Select this when no camera is connected.

■ **Rear Camera for Car interface**

ON: Select when you connected an external system unit. Neither buttons nor titles are displayed.

OFF (Default): Select when you connected a rear camera.

■ **Rear Camera Settings** *1

Adjusts the CMOS-3xx series with ID 1 ("Rear Camera") set. For details, see the instruction manual of your camera.

■ **Parking Guidelines**

You can display parking guidelines to enable easier parking when you shift the gear to the reverse (R) position.

Default is "ON".

■ **Guidelines SETUP**

If you select **ON** for **Parking Guidelines**, you can adjust the parking guidelines. See **To adjust the parking guidelines (P.62)**.

Other External Components

■ Front Camera

ON: Select this when the front camera is connected.

OFF (Default): Select this when no camera is connected.

■ Front Camera Settings *1

Adjusts the CMOS-3xx series with ID 2 ("Front Camera") set. For details, see the instruction manual of your camera.

■ Front Camera Interruption *2

10 sec / 15 sec (Default) / 20 sec: The front camera screen is displayed when return the gear from the reverse (R) position.

OFF: Cancel.

*1 When CMOS-3xx series is connected with this unit.

*2 If you select **ON** for **Rear Camera Interruption** and **Front Camera**.

To adjust the parking guidelines

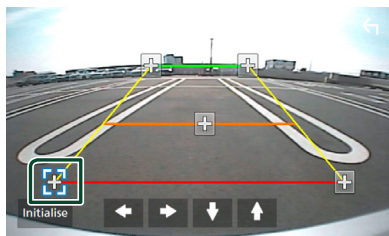
NOTE

- Install the rear view camera in the appropriate position according to the instruction manual supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to apply the parking brake to prevent the car from moving.

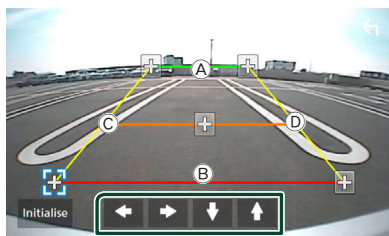
1 Touch ON of Parking Guidelines in the Camera screen. (P.61)

2 Touch Guidelines SETUP on the Camera screen.

3 Adjust the parking guidelines by selecting the  mark.




4 Adjusting the position of the selected mark.



Make sure that lines (A) and (B) are horizontally parallel, and that lines (C) and (D) are of the same length.

NOTE

- Touch **Initialise** and then touch **Yes** to set all the  marks to their initial default position.

Use Dashboard Camera

A Dashboard Camera, DRV-N520 (optional accessory), connected to this unit lets you play video-recorded data and so on.

For details, see the instruction manual of the Dashboard Camera DRV-N520 (optional accessory).

NOTE

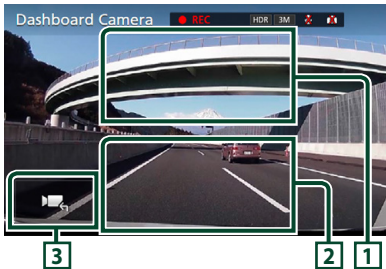
- To connect a dashboard camera, see **P.91**.

Display the dashboard camera screen

- 1 Press the **MENU** button.

▶ Popup menu appears.

- 2 Touch **Camera**.



1 Switching the View Camera

Touch to change the dashboard view camera and rear view camera.

2 Camera off

Touch to exit the camera screen.

3 Key display

Touch to display the dashboard camera control buttons.

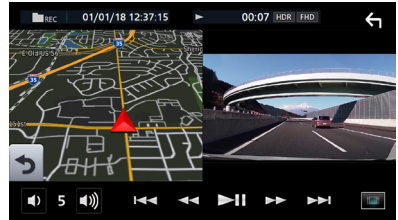
Added function

Display the map while playing the recorded file

- 1 Play the recorded file.

See the instruction manual of the Dashboard Camera.

- 2 Touch .



Return to the recorded file playback screen

- 1 Touch .

External audio/video players (AV-IN)

- 1 Connect an external component to the AV-IN input terminal. (P.89)
- 2 Select **AV-IN** as the source. (P.14)
- 3 Turn on the connected component and start playing the source.

HDMI source

- 1 Connect your smartphone to the HDMI input terminal. (P.89)
Use HDMI cable KCA-HD100 (optional accessory).
- 2 Select **HDMI** as the source. (P.14)
- 3 Start an application or playback on your smartphone.

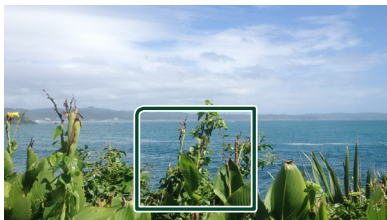
TV tuner

You can connect the TV tuner (commercially available) with this unit and watch TV.

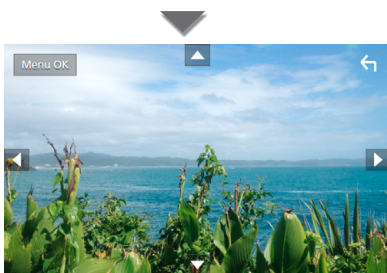
Preparation

- When you use TV control function, connect the TV tuner (commercially available) and set 3rd Party TV Tuner Control in **AV Setup (P.70)** to ON.
- The TV tuner can be controlled with its supplied remote control through the remote sensor on the front panel of this unit.

- 1 Select **TV** as the source. (P.14)
- 2 Touch Key display area.



- 3 Touch **TV Ctrl**.



- Displays the menu/ Enters selected item

Touch **MENU/OK**.

- Moves the cursor
Touch ▲, ▼, ◀, ▶.

- Exits menu control
Touch ◀.

Setup

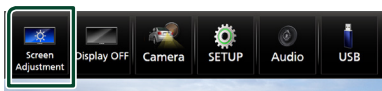
Monitor Screen Setup

You can adjust the image quality of video, menu screen, etc.

1 Press the **MENU** button.

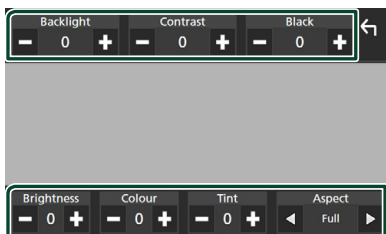
- Popup menu appears.

2 Touch **Screen Adjustment**.



- Screen Control screen appears.

3 Adjust each setting as follows.



■ **Backlight / Contrast / Black / Brightness / Colour / Tint**

Adjust each setting.

■ **Aspect**

Select a screen mode.

Full: Changes the aspect ratio of video and displays video fully on the screen.

Normal: Displays video at the ratio of 4:3.

Auto:

DVD, VCD and disc media: 16:9 video is displayed in the Full mode and 4:3 video is displayed in the Regular mode.

USB device and SD card: Displays video fully (vertically or horizontally) with no ratio change.

NOTE

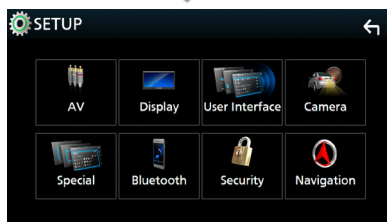
- Settings to adjust vary depending on the current source.

System Setup

1 Press the **MENU** button.

- Popup menu appears.

2 Touch **SETUP**.



See the following section for each setting.

- Set up AV (**P.70**)
- Set up display (**P.68**)
- Set up the user interface (**P.66**)
- Set up camera (**P.61**)
- Set up special (**P.67**)
- Set up Bluetooth (**P.51**)
- Set up security (**P.10**)
- Set up navigation (**P.19**)

User Interface Setup

You can setup user interface parameters.

1 Press the **MENU** button.

- Popup menu appears.

2 Touch **SETUP**.

- SETUP screen appears.

3 Touch **User Interface**.



- User Interface screen appears.

4 Set each parameter as follows.

■ **Steering Remote Controller**

Sets the desired function in the steering remote controller. (Contact your KENWOOD dealer for details.)

■ **Beep Volume**

Set the sound volume of the key touch tone.
"0" (Off) – "3" (Default) – "5"

■ **Widget SETUP**

Set up the widget displayed on the Home screen. (P.22)

■ **Vehicle Adaptor Information** *1

Displays the vehicle information.

This function requires a commercial adaptor. Consult your KENWOOD dealer for details.

■ **Beep for Parking distance control** *1

Sets whether to generate a warning tone when the onboard proximity sensor detects a human or object.

Consult your KENWOOD dealer for details.

■ **Parking Distance Display** *1

You can display information about obstacles around the car.

ON: Always displays information.

Dyn. (Default): Displays information when the sensor detects obstacles.

OFF: Cancels.

This function requires a commercial adaptor. Consult your KENWOOD dealer for details.

■ **Parking Distance Position** *1

Select where information about obstacles is

displayed on the screen (left or right).

"Left"/"Right" (Default)

This function requires a commercial adaptor. Consult your KENWOOD dealer for details.

■ **Language Select Mode**

Selects the mode to select a language.

Easy (Default): Selects a language easily.

Advanced: Allows you to select languages for respective items.*2

■ **Language Select**

Select a language.

■ **Time Format**

Select the time display format.

"12-Hour"/"24-Hour" (Default)

■ **Clock**

NAV-SYNC (Default): Synchronizes the clock time with navigation GPS data.

Manual: Set the clock manually.

■ **Time Zone**

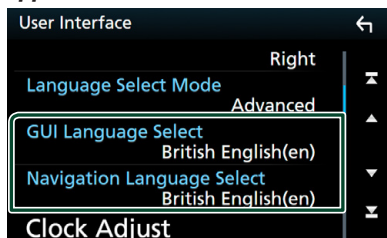
If you have selected **Manual** for Clock, select the time zone.

■ **Clock Adjust**

If you select **Manual** for Clock, adjust the date and time manually. (P.67)

***1 This setting is available when a commercial adaptor is connected.**

***2 If you select Advanced for Language Select Mode, the following screen appears.**



■ **GUI Language Select**

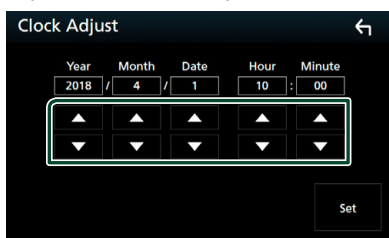
Selects the display language used for the control screen and so forth.

■ **Navigation Language Select**

Selects the language used for navigation.

Adjust the date and time manually.

- 1 Touch **Clock** on the User Interface screen.
- 2 Select **Manual**.
- 3 Touch **Time Zone** on the User Interface screen.
- 4 Select the time zone.
- 5 Touch **Clock Adjust** on the User Interface screen.
- 6 Adjust the date, then adjust the time.

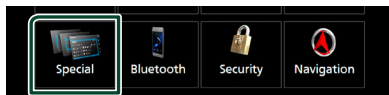


- 7 Touch **Set**.

Special Setup

You can setup special parameters.

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **SETUP**.
 - SETUP screen appears.
- 3 Touch **Special**.



➤ Special screen appears.

- 4 Set each parameter as follows.

DEMO

Select the demonstration mode. Default is "ON".

Software Information

Confirm the software version of this unit.

(P.67)

Open Source Licenses

Display the open source licenses.

Initialise

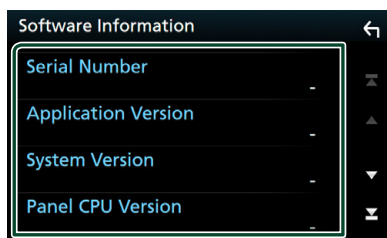
Touch **Initialise** and then touch **Yes** to set all the settings to the initial default settings.

- Audio SETUP Memory is not initialized.

Software Information

You can confirm the software version of this unit.

- 1 Touch **Software Information** in the Special screen.
- 2 Confirm the software version.



NOTE

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

Display Setup

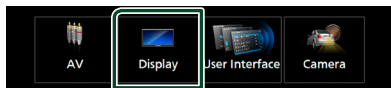
1 Press the MENU button.

➤ Pop-up menu appears.

2 Touch SETUP.

➤ SETUP screen appears.

3 Touch Display.



➤ Display screen appears.

4 Set each parameter as follows.

■ Dimmer

Select the dimmer mode.

OFF: Does not dim the display and buttons.

ON: Dims the display and buttons.

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.

■ OSD Clock

Select if you want to display the clock while watching DVD video, etc.

"ON" (Default)/ "OFF"

■ Key Colour

You can set the button illumination color.

(P.68)

■ Wallpaper Customize

You can change the wallpaper image or color. (P.69)

■ Viewing Angle

If it is hard to see the image on the screen evenly, adjust the viewing angle. The smaller (the negative) value, the more whitish the image on the screen looks.

"0" (Default)/ "-1"/ "-2"/ "-3"

■ Screen transition effect

Select whether to use the screen transition effect when the source control screen is switched to the Home screen.

"ON" (Default)/ "OFF"

Customizing the key color

You can set the button illumination color.

1 Touch Key Colour on the Display screen.

2 Touch the desired color.



■ User

The color you have set in the process of **Adjust** is registered.

■ Scan

You can set the key color to continuously scan through the color spectrum.

3 Touch 

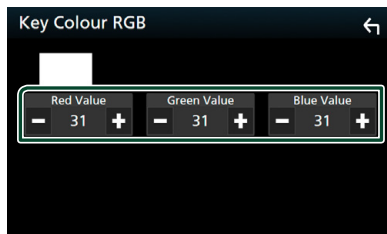
To register an original color

You can register your original color.

1 Touch User on the Key Color screen.

2 Touch Adjust.

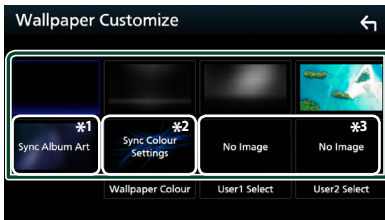
3 Use — and + to adjust each color value.



4 Touch 

Change the wallpaper image or color

- 1 Touch **Wallpaper Customize** on the Display screen.
- 2 Select an image.



*1 The album art currently being displayed is used as a wallpaper.

*2 Select a wallpaper color in advance.

*3 Select an original image in advance.

To select wallpaper color

- 1 Touch **Wallpaper Colour** on the Background screen.
- 2 Select a wallpaper color.



*1 The color you have selected at **Key Colour** is added on the image. If you select "Scan" at **Key Colour**, you cannot select this image.

- 3 Touch .

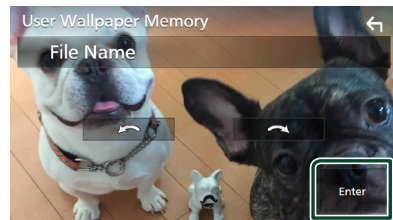
To register an original image

You can load an image from the connected USB device and set it as the wallpaper image. Before starting this procedure, it is necessary to connect the device which has the image to load.

- 1 Touch **User1 Select** or **User2 Select** on the Wallpaper Customize screen.
- 2 Select the image to load.





- 3 Touch **Enter**.



- The selected image is loaded and the display returns to the Wallpaper Customize screen.

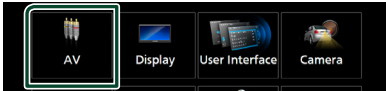
NOTE

- Touching  rotates the image counter-clockwise.
- Touching  rotates the image clockwise.
- Picture files: JPEG (.jpg, .jpeg), PNG (.png), BMP (.bmp)

AV Setup

You can set AV parameters.

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **SETUP**.
 - SETUP screen appears.
- 3 Touch **AV**.



➤ AV screen appears.

- 4 Set each parameter as follows.

■ iPod Bluetooth Connection

See **Select the method of making connections for outputting sound from the iPod source. (P.39)**.

■ TV Tuner Control

Sets when connecting the TV tuner to AV INPUT.

ON: Set to ON when connecting the 3rd party TV tuner. AV-IN Name is set to TV. If you connect the TV tuner made by DOS and watch TV, you can perform some simple operations by touching the screen of this unit.

OFF (Default): Set to OFF when not connecting the 3rd party TV tuner.

■ AV-OUT

You can select an AV source to be output from the AV OUTPUT port.

OFF, AV-IN, DISC, USB, SD, or iPod

- You cannot select iPod if it is connected via Bluetooth.
- If you select USB, SD, iPod, Disc, Spotify or Bluetooth audio as the main source, you cannot select USB, SD or iPod as the AV output source.
- If you select Mirroring (WebLink), Apple CarPlay or Android Auto as the main source, you cannot select DISC (Music CD/ Disc media), USB, SD or iPod as the AV output source.

■ Driving Position

Select the driving position (left or right).

“Left” (Default)/“Right”

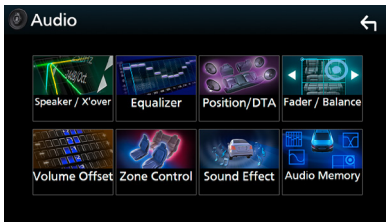
Controlling Audio

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

1 Press the **MENU** button.

- ▶ Pop-up menu appears.

2 Touch **Audio**.



See the following section for each setting.

- Set up speaker/ X'over (**P.72**)
- Controlling equalizer (**P.74**)
- Set listening position/ DTA (**P.77**)
- Controlling general audio (Fader / Balance) (**P.74**)
- Set volume offset (**P.75**)
- Performing zone control (**P.76**)
- Set sound effect (**P.76**)
- Memory/recall the audio settings (**P.79**)

3 way speaker system setup

Select the appropriate crossover network mode according to the speaker system (2-way speaker system or 3-way speaker system).

1 Press the **HOME** button.

- ▶ HOME screen appears.

2 Touch .

- ▶ Source selection screen appears.

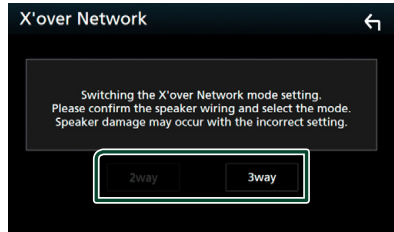
3 Touch **STANDBY**.

4 Press the (1) button and the **NAV** (2) button for 1 second at the same time.



- ▶ Speaker system select screen appears.

5 Select the crossover network mode.



- ▶ A confirmation screen appears.

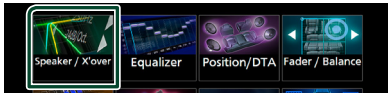
6 Touch **Yes**.

NOTE

- When the 3-way speaker system is selected, the following functions are disabled.
 - Zone Control
 - Fader of Controlling General Audio
 - Front focus of Listening Position/ DTA
 - Select the speakers to output the sound from cell-phone of Bluetooth HF/Audio
 - Beep of User Interface Setup
- Connecting 3-way speakers with the 2-way mode selected can break the speakers.

Speaker/ X'over setup

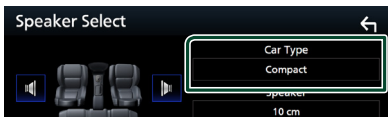
- 1 Press the **MENU** button.
 - Pop-up menu appears.
- 2 Touch **Audio**.
 - Audio screen appears.
- 3 Touch **Speaker/X'over**.



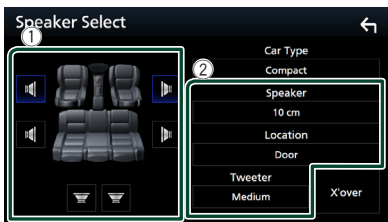
- 4 Select a car type.

You can select the car type and speaker network, etc.

When you select your car type, the Delay Time Alignment is activated automatically (for timing adjustment of sound output for each channel) to have the highest surround effects.



- 5 Touch the speaker (1) you wish to adjust and set each parameter (2) as follows.



■ Speaker

You can select a speaker type and its size to get the best sound effects.

When the speaker type and size are selected, the speaker crossover network is set automatically.

■ Location (Only for Front, Rear)

Select the speaker position you have installed.

■ Tweeter (Only for Front)

You can set up the tweeter when you are selecting front speakers.

None, Small, Medium, Large

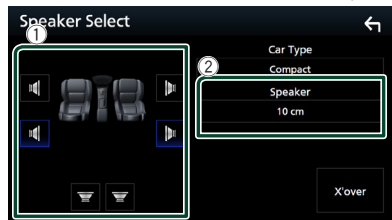
■ X'over

Display the speaker crossover setup screen.

You can adjust the crossover frequency that was set automatically when you selected the speaker type.

For details, see **Crossover network setup (P.72)**

When Speaker network is set to 3 way:



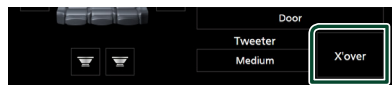
NOTE

- For how to switch to the 3-way speaker system, see **3 way speaker system setup (P.71)**. 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 the crossover frequency of speakers.

- 1 Touch **X'over**.



- 2 Touch the speaker to set up.



3 Set each parameter as follows.



■ HPF FREQ

High Pass Filter adjustment. (When Front or Rear is selected on the Speaker Select screen)

■ LPF FREQ

Low Pass Filter adjustment. (When Subwoofer is selected on the Speaker Select screen)

■ Slope *1

Set a crossover slope.

■ Gain

Adjust the gain of the front speaker, rear speaker, or subwoofer.

■ TW Gain *2

Adjust the tweeter level. (When Front is selected on the Speaker Select screen)

■ Phase Inversion *3

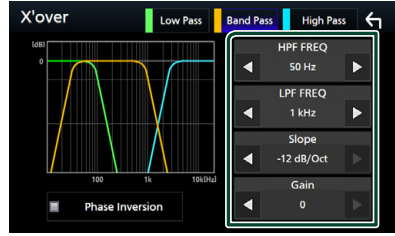
Set the phase of subwoofer output.
Check **Phase Inversion** to shift the phase 180 degrees. (When Subwoofer is selected on the Speaker Select screen)

*1 Only when "LPF FREQ"/"HPF FREQ" is set to a mode other than "Through" in **X'over**.

*2 Only when "Tweeter" is set to "Small", "Medium", "Large" in **Speaker Setup**.

*3 Only when "Subwoofer" is set to a mode other than "None" in **Speaker Setup**.

When Speaker network is set to 3 way:



■ FREQ (High Pass)

High Pass Filter adjustment.

■ HPF FREQ, LPF FREQ (Band Pass)

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

■ FREQ (Low Pass)

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

■ Slope *1 *2

Set a crossover slope.

■ Gain

Sets gain of each speaker.

■ Phase Inversion *2

Sets the phase of tweeter, mid range, and woofer output.

Check **Phase Inversion** to shift the phase 180 degrees.

*1 Only when "LPF FREQ"/"HPF FREQ" (Band Pass) is set to a mode other than "Through" in **X'over**.

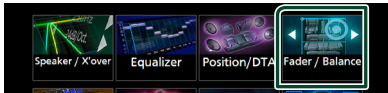
*2 Only when "FREQ" (Low Pass) is set to a mode other than "Through" in **X'over**.

NOTE

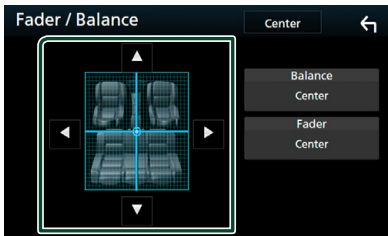
- For how to switch to the 3-way speaker system, see **3 way speaker system setup (P.71)**. Connecting 3-way speakers with the 2-way mode selected can break the speakers.

Controlling General Audio

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **Audio**.
 - Audio screen appears.
- 3 Touch **Fader / Balance**.



- 4 Set each parameter 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.

■ Center

Clear the adjustment.

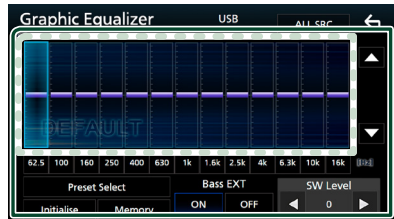
Equalizer Control

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

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **Audio**.
 - Audio screen appears.
- 3 Touch **Equalizer**.



- 4 Touch the screen and set the Graphic Equalizer as desired.



■ Gain level (area in dotted frame)

Adjust the gain level by touching each frequency bar.

You can select a frequency bar and adjust its level by ▲, ▼.

■ Preset Select

Display the screen for selecting the preset equalizer curve. (P.75)

■ Memory

Saves the adjusted equalizer curve as "User1" to "User4". (P.75)

■ Initialise

Initialize (flatten) the current EQ curve.

■ ALL SRC

Apply the adjusted equalizer curve to all sources. Touch **ALL SRC** and then touch **OK** on the confirmation screen.

■ Bass EXT (Bass Extend Settings)

When turned on, the frequencies lower than 62.5 Hz is set to the same gain level (62.5 Hz).

■ SW Level

Adjust the subwoofer volume. This setting is not available when Subwoofer is set to "None". See *Speaker/X'over setup (P.72)*.

📄 Recall the EQ curve

- 1 Touch **Preset Select**.
- 2 Select an EQ curve.

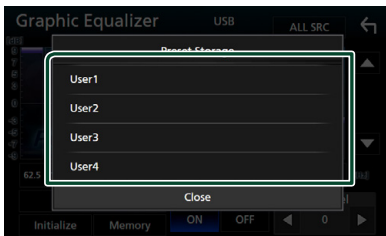


NOTE

- **iPod** is available only for the iPod source.

📄 Save the EQ curve

- 1 Adjust the EQ curve.
- 2 Touch **Memory**.
- 3 Select where to save.



Volume Offset

Finely adjust the volume of the current source to minimize the difference in volume between different sources.

- 1 Press the **MENU** button.
 - Popup menu appears.
- 2 Touch **Audio**.
 - Audio screen appears.
- 3 Touch **Volume Offset**.



- 4 Touch **+ or -** to adjust the level.



■ Initialise

Returns to the initial settings.

NOTE

- If you have increased the volume first, then reduce the volume using "Volume Offset". Switching the current source to another source suddenly may output extremely loud sound.

Zone Control

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

1 Press the MENU button.

➤ Popup menu appears.

2 Touch Audio.

➤ Audio screen appears.

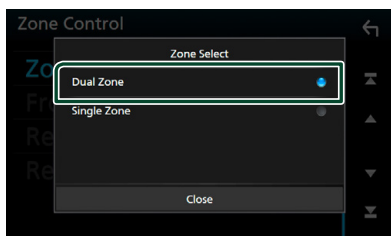
3 Touch Zone Control.



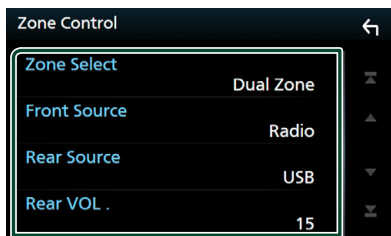
➤ Zone Control screen appears.

4 Touch Zone Select.

5 Touch Dual Zone.



6 Set each source as follows.



Zone Select

Touch **Single Zone** to turn off the dual zone function.

Front Source Rear Source

Select an audio source for each.

Rear VOL.

Adjust the rear source volume.

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.76)
 - Equalizer Control/ Sound Effect/ Listening Position (P.74, 76, 77)
 - Speaker Setup (P.72)
 - High-resolution Sound Source File Playback
- You cannot select iPod if it is connected via Bluetooth.
- If you select USB, SD, iPod, Disc, Spotify or Bluetooth audio as the Front Source, you cannot select USB, SD or iPod as the Rear Source.
- If you select Mirroring (WebLink), Apple CarPlay or Android Auto as the Front Source, you cannot select DISC (Music CD/ Disc media), USB, SD or iPod as the Rear Source.

Sound Effect

You can set sound effects.

1 Press the MENU button.

➤ Popup menu appears.

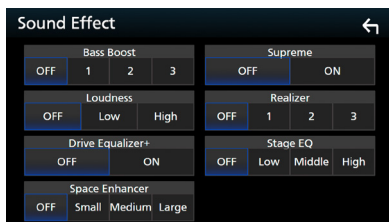
2 Touch Audio.

➤ Audio screen appears.

3 Touch Sound Effect.



4 Set each parameter as follows.



Bass Boost

Set the amount of bass boost "OFF"/"1"/"2"/"3".

■ Loudness

Set the amount of boost of low and high tones.

"OFF", "Low", "High"

■ Drive Equalizer+

The sound quality is automatically optimized to meet the current car speed by GPS.

"OFF", "ON"

■ Space Enhancer

Select the feeling of sound space enhancement.

"OFF"/"Small"/"Medium"/"Large".

This setting is not available for the Radio source.

■ Supreme

Turn ON/OFF the Supreme function.

Technology to extrapolate and supplement with proprietary algorithm, the high-frequency range that is cut off when encoding.

■ Realizer

Virtually make the sound more realistic using the Digital Signal Processor (DSP) system.

Select the level from "OFF"/"1"/"2"/"3".

■ Stage EQ

You can adjust the height of speakers virtually to suit your listening position.

"OFF"/"Low"/"Middle"/"High".

Listening Position/DTA

Listening Position/DTA allows you to improve the sound field depending on the position of the seat you sit.

Listening Position/DTA allows you to set "Listening Position" and "Front Focus". You cannot set both at the same time.

1 Press the **MENU** button.

➤ Pop up menu appears.

2 Touch **Audio**.

➤ Audio screen appears.

3 Touch **Position/DTA**.



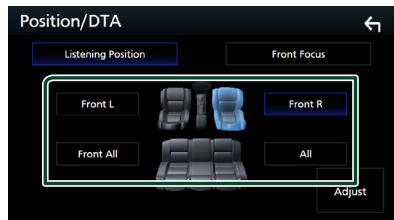
- Set up Listening Position (**P.77**)
- Set up Front Focus (**P.78**)

Listening Position

Adjust the sound delay time so that the sounds from different speakers arrive at the listener sitting on the selected seat at the same time.

1 Touch **Listening Position** on the Position/DTA screen.

2 Select a listening position from **Front R** (Right front), **Front L** (Left front), **Front All** (All front), and **All**.

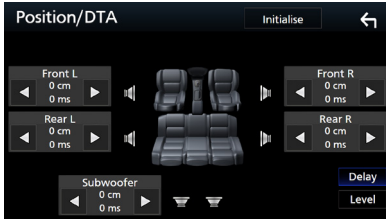


Controlling Audio

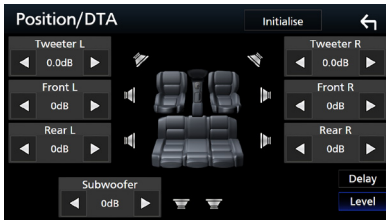
Position DTA control

You can fine-adjust your listening position.

- 1 Touch **Adjust**.
- 2 Touch **Delay**.
- 3 Touch ◀ or ▶ to adjust the delay time of the selected speaker.



- 4 Touch **Level**.
- 5 Touch ◀ or ▶ to adjust the sound level of the selected speaker.



NOTE

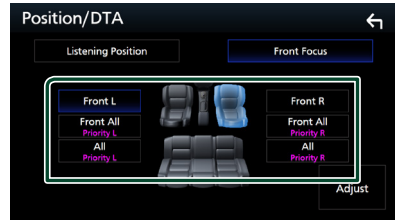
- To initialize the Delay and Level settings, touch **Initialise** and **YES** on the confirmation screen.

Front Focus

You can focus the imaginary sound image on the front of the selected seat.

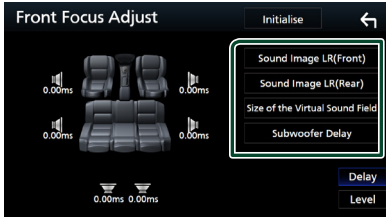
- 1 Touch **Front Focus** in the Position/DTA screen.
- 2 Select a front focus position.

For **Front All** and **All**, select Priority L or R depending on which side you want to put the imaginary sound image.



Front Focus fine adjustment

- 1 Touch **Adjust**.
- 2 Touch **Delay**.
- 3 Set each parameter as follows.



■ Sound Image LR (Front)

Focus the sound image on the front of front seats.

■ Sound Image LR (Rear)

Focus the sound image on the front of rear seats.

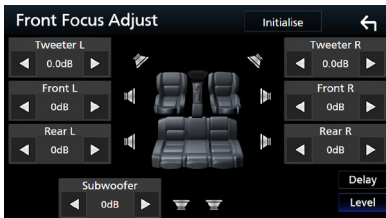
■ Size of the Virtual Sound Field

Adjust the size of sound image to meet your taste. If the sound image is shifted from the front, move it back by **Sound Image LR (Front)** or **Sound Image LR (Rear)**.

■ Subwoofer Delay

Adjust the delay time of subwoofer sound.

- 4 Touch **Level**.
- 5 Touch **◀** or **▶** to adjust the sound level of the selected speaker.



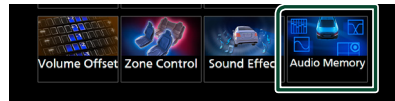
NOTE

- To initialize the Delay and Level settings, touch **Initialise** and **YES** on the confirmation screen.

Audio Setup memory

Audio Control settings can be memorized. The memorized settings can be recalled at any time.

- 1 Press the **MENU** button.
 - ▶ Popup menu appears.
- 2 Touch **Audio**.
 - ▶ Audio screen appears.
- 3 Touch **Audio Memory**.



■ SETUP Memory

Lock or unlock the Audio SETUP Memory/Recall/Clear.

■ Audio SETUP Memory

Memorize the current audio settings.

- Fader/ Balance, Speaker / X'over, Equalizer (User Preset, SW Level), Position/DTA, Sound Effect

■ Audio SETUP Recall

Recall the memorized audio setting.

■ Audio SETUP Clear

Clear the AUDIO SETUP Memory and the currently memorized audio settings.

Remote control

This unit can be operated using the remote control KNA-RCDV331 (optional accessory).

⚠ CAUTION

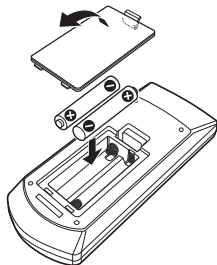
- Put the remote control in a place where it will not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.
- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive 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.

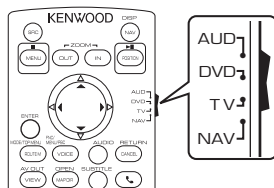
- 1 Insert two "AAA"/"R03"-size batteries with the ⊕ and ⊖ poles aligned properly, following the illustration inside the case.



Functions of the Remote control Buttons

■ Switch 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.

■ TV mode

Not used.

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. by entering the number corresponding to the content.

NOTE

- This operation cannot be performed for the 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 type.

■ DVD

Title number/Chapter number

■ VCD 1.X and 2.X (PBC OFF)

Track number

■ VCD 2.X (PBC ON)

Scene number/Track number

■ Music CD

Track number

■ Radio

Frequency value

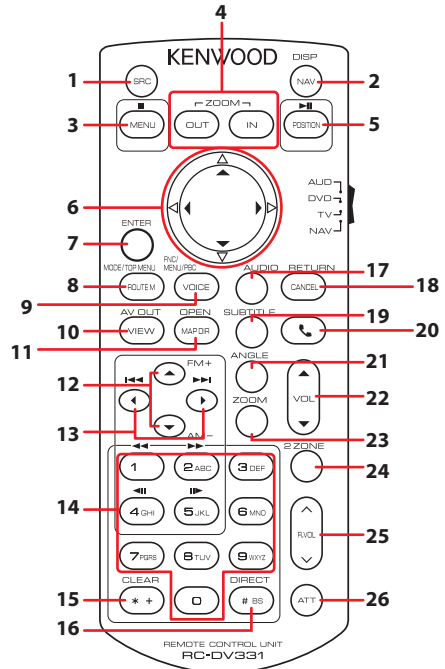
2 Enter the number of the content you want to play using the numeric keypad.

3 For DVD or VCD, music CD, press the **ENTER** button.

For radio, press the ◀ or ▶ button.


➤ The content corresponding to the number you entered is played.

Basic Operation



	Key Name	Mode switch	Function
1	SRC	AUD, DVD	Switches to the source to be played. In hands-free mode, hangs up the phone.
2	NAV	—	Switches the screen between the navigation, the current source and the Weblink screen from the connected iPhone/Android.
3	MENU	DVD	Stops playing and memorizes the last point where the disc stopped. The last point is deleted by pressing twice.
		NAV	Displays Main menu.
4	OUT, IN	NAV	Zooms in or out the navigation map.
5	POSITION	AUD, DVD	Pauses the track or file, and resumes playing by pressing twice. For the radio source in AUD mode, switches the seek mode.
		NAV	Displays the current position.
6	Cursor Key	DVD	Moves the cursor in the DVD menu.
		NAV	Moves the cursor or scrolls the map.
7	ENTER	—	Performs the selected function.
8	ROUTE M	AUD	Screen mode changes each time you press this key during video playback.
		DVD	Returns to the DVD top menu.
		NAV	Displays Route Option menu.

Remote control

	Key Name	Mode switch	Function
9	VOICE	AUD	Displays the control screen of current source. (USB, SD, iPod, DISC)
		DVD	Displays the DVD menu. Turns the playback control on or off while playing VCD.
		NAV	Speaks the voice guidance.
10	VIEW	AUD, DVD	Switches the AV source to be output.
		NAV	Switches between 2D and 3D map displays.
11	MAP DIR	AUD, DVD	Switches the display angle each time it is pressed.
		NAV	Switches between the heading up navigation and north up navigation map displays.
12	▲/▼	AUD, DVD	Selects the folder to be played. For the radio source in AUD mode, selects FM/ AM band to be received. For the DVD/VCD source in DVD mode, selects the title to be played.
13	◀▶	AUD, DVD	Selects the track or file to be played. For the radio source in AUD mode, switches to broadcast stations received by the unit. For the DVD/VCD source in DVD mode, selects the chapter/scene/track to be played.
14	Numeric Keypad	AUD	Allows you to enter the number to search in the direct search mode. For details on the direct search mode, see Direct search mode (P.80) .
		DVD	<ul style="list-style-type: none"> • Press 1 2 to fast forward/backward. • Press 4 5 to slow forward/backward. Switches the slow playback speed each time you press this key.* *DVD only
15	* +	DVD	For the DVD/VCD source, deletes a character while in direct search mode.
16	# BS	AUD, DVD	Switches to the direct search mode. For details on the direct search mode, see Direct search mode (P.80) .
17	AUDIO	DVD	Switches the voice language each time you press this key.
18	CANCEL	DVD	Displays previous screen.
		NAV	Cancels the operations.
19	SUBTITLE	DVD	Switches the subtitle language.
20		–	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 (2, 3, 4, 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 when pressed once. Restores the previous volume when pressed twice.

Connection/Installation

Before Installation

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

▲ WARNINGS

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

▲ CAUTION

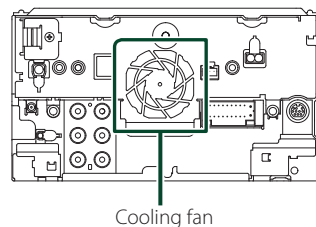
- Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

NOTE

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("There is an error in the speaker wiring. Please check the connections." is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the

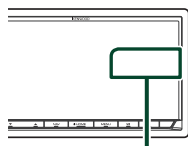
ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.

- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- This unit has the cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit is blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.







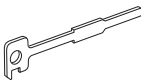

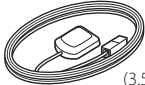

Connection/Installation

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



Bluetooth antenna unit

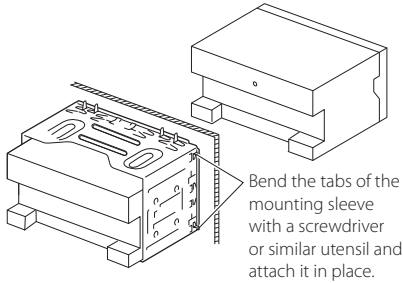
Supplied accessories for installation

①		x1
②	 (Black 1 m)	x1
③	 (Gray 1 m)	x1
④	 (3 m)	x1
⑤		x2
⑥		x1
⑦	 (3.5 m)	x1
⑧		x1

Installation procedure

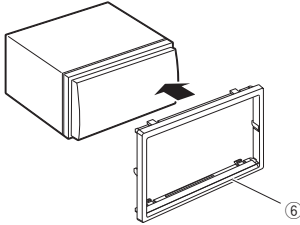
- 1) To prevent a short circuit, remove the key from the ignition and disconnect the \ominus terminal of the battery.
- 2) Make the proper input and output wire connections for each unit.
- 3) Connect the wire on the wiring harness.
- 4) Take Connector B on the wiring harness and connect it to the speaker connector in your vehicle.
- 5) Take Connector A on the wiring harness and connect it to the external power connector on your vehicle.
- 6) Connect the wiring harness connector to the unit.
- 7) Install the unit in your car.
- 8) Reconnect the \ominus terminal of the battery.
- 9) Perform the Initial Setup.
See **Initial setup (P.9)**.

Installing the unit



Trim plate

- 1) Attach accessory ⑥ to the unit.

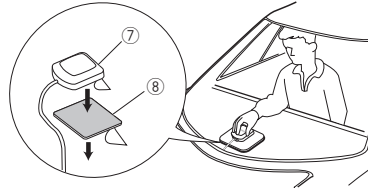


GPS antenna

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

To mount the GPS antenna inside your vehicle:

- 1) Clean your dashboard or other surface.
- 2) Remove the separator of the metal plate (accessory ⑧).
- 3) Press the metal plate (accessory ⑧) down firmly on your dashboard or other mounting surface. You can bend the metal plate (accessory ⑧) to conform to a curved surface, if necessary.
- 4) Remove the separator of the GPS antenna (accessory ⑦), and stick the antenna to the metal plate (accessory ⑧).

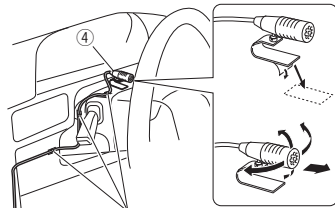


NOTE

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

Microphone unit

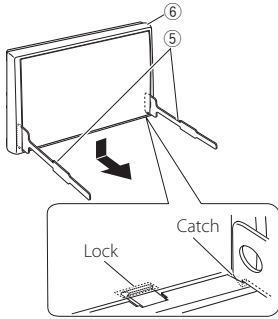
- 1) Check the installation position of the microphone (accessory ④).
- 2) Clean the installation surface.
- 3) Remove the separator of the microphone (accessory ④), and stick the microphone to the place shown below.
- 4) Wire the microphone cable up to the unit with it secured at several positions using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



Fix a cable with a commercial item of tape.

■ Removing the trim plate

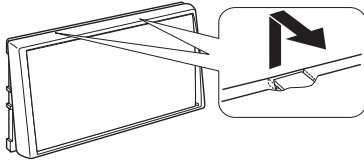
- 1) Engage the catch pins on the extraction key (accessory ⑤) and remove the two locks on the lower level.
Lower the trim plate (accessory ⑥) and pull it forward as shown in the figure.



NOTE

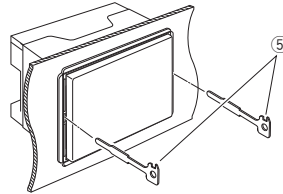
- The trim plate can be removed from the top side in the same manner.

- 2) When the lower level is removed, remove the upper two locations.

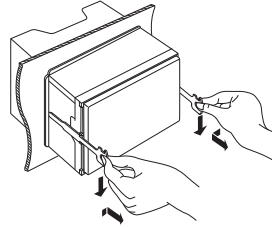


■ Removing the unit

- 1) Remove the trim plate by referring to step 1 in "Removing the trim plate".
- 2) Insert the two extraction keys (accessory ⑤) deeply into the slots on each side, as shown.



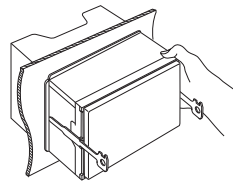
- 3) Lower the extraction key toward the bottom, and pull out the unit halfway while pressing towards the inside.



NOTE

- Be careful to avoid injury from the catch pins on the extraction key.

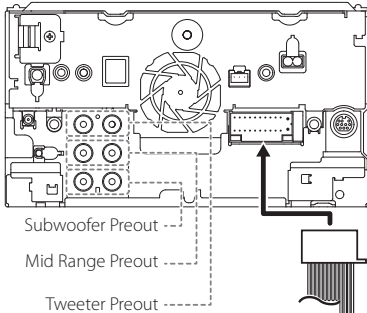
- 4) Pull the unit all the way out with your hands, being careful not to drop it.



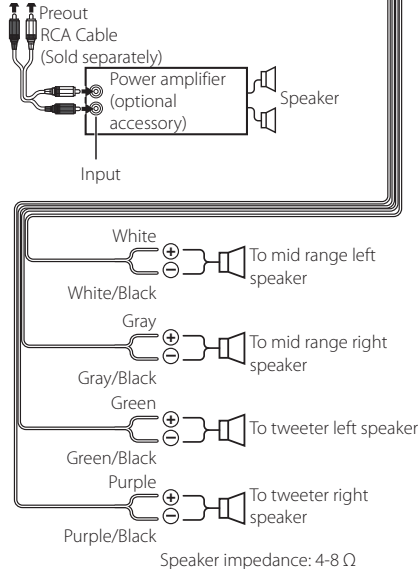
3 way speaker system setup

NOTE

- For speaker system setup, see **3 way speaker system setup (P.71)**.
- For speaker setup and crossover setup, see **Speaker/ X'over setup (P.72)**.
- For how to connect speaker wires to terminals other than speaker terminals and Preout terminals, see **Connecting the system and external components (P.89)** and **Connecting wires to terminals (P.88)**.



When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.



Wiring harness (Accessory ①) connector function guide

Pin	Color and function	
A-4	Yellow	Battery
A-5	Blue/White ^[2]	Power Control
A-6	Orange/White	Dimmer
A-7	Red	Ignition (ACC)
A-8	Black	Earth (Ground) Connection
B-1/ B-2	Purple (+) / Purple/Black (-)	Rear Right
B-3/ B-4	Gray (+) / Gray/Black (-)	Front Right
B-5/ B-6	White (+) / White/Black (-)	Front Left
B-7/ B-8	Green (+) / Green/Black (-)	Rear Left

*Speaker Impedance: 4-8 Ω

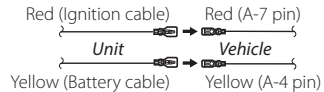
[1] [2]: Blue/White wire is provided two wires, [1] and [2]. Blue/White wire total output ([1] + [2]): 12 V
 --- 350 mA

⚠ WARNING for Connecting the ISO Connector

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

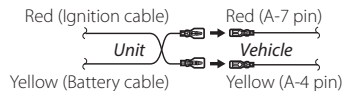
(1): Default setting

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

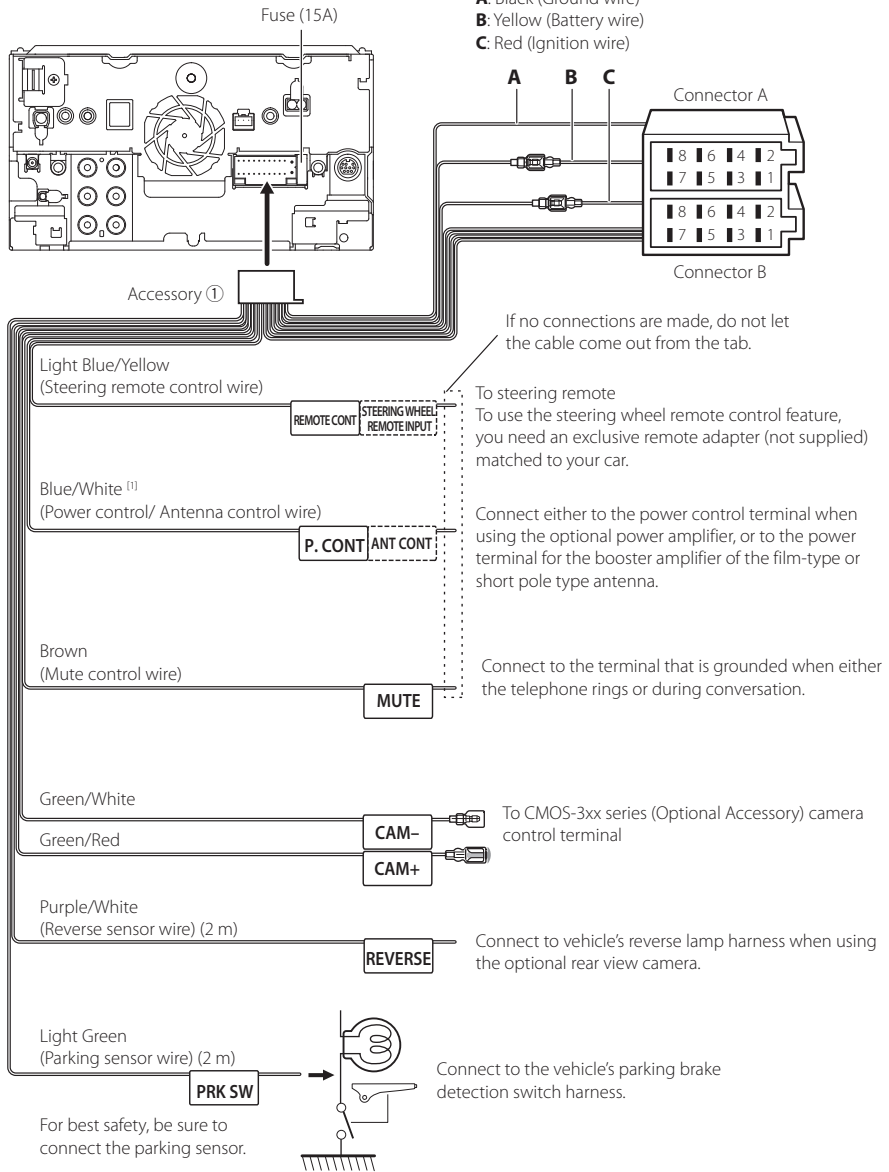


(2)

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

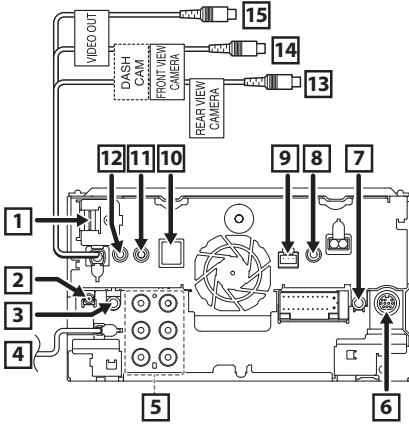


Connecting wires to terminals

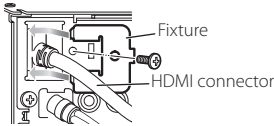


[1] [2]: Blue/White wire is provided two wires, [1] and [2]. Blue/White wire total output ([1] + [2]): 12 V \approx 350 mA

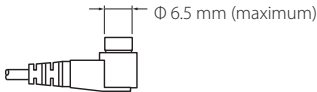
Connecting the system and external components



- 1** HDMI input
Use HDMI cable KCA-HD100 (optional accessory).
When you connect the cable to HDMI terminal, remove the fixture. After connecting the cable, put the fixture again.



- 2** DAB antenna CX-DAB1 (Optional accessory)
⚠ Use of a CX-DAB1 (optional accessory) as a DAB antenna is recommended.
When using a commercially available DAB antenna, the diameter of the SMB connector must be $\Phi 6.5$ mm or less.



- 3** AV Audio output ($\phi 3.5$ mini jack)

- 4** FM/AM antenna input



- 5** When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.



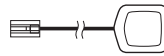
- 6** External I/F
Maximum power supply current : 12 V $\overline{\text{---}}$ 500 mA

- 7** TV tuner remote output

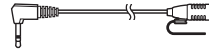
- 8** AV-IN (CA-C3AV; Optional Accessory) input

- 9** Dashboard camera interface
Connect a Dashboard Camera DRV-N520 (optional accessory). **(P.91)**

- 10** Accessory **⑦**: GPS Antenna



- 11** Accessory **④**: Bluetooth Microphone



- 12** Connect to vehicle's steering remote harness.
Contact your KENWOOD dealer for details.

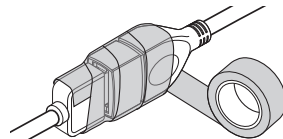
- 13** Rear view camera input (Yellow)

- 14** Front view camera/ Dashboard camera input (Yellow)

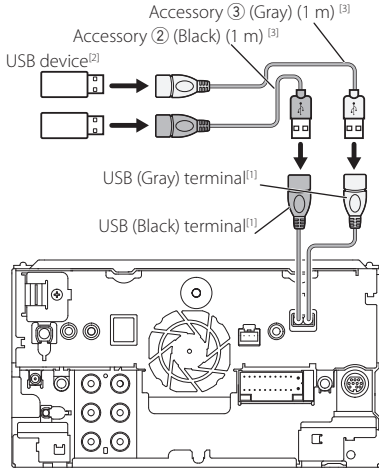
- 15** Visual Output (Yellow)

Securing the USB extension cable

Secure the USB extension cable with insulating tape or the like so that its connectors are not disconnected.



Connecting a USB device



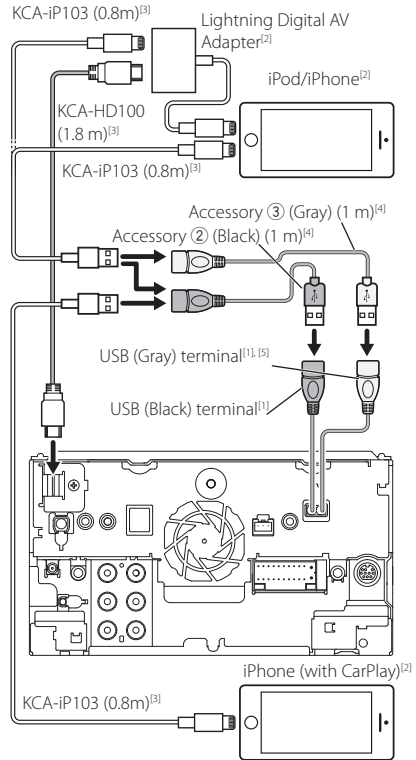
^[1] USB maximum power supply current :
 DC 5 V $\overline{\text{---}}$ 1.5 A

^[2] Sold separately / Use CA-U1EX to extend the cable if necessary. (Max 500 mA, 5V)

^[3] See **Securing the USB extension cable (P.89)**.

Connecting an iPod/iPhone

● Lightning connector



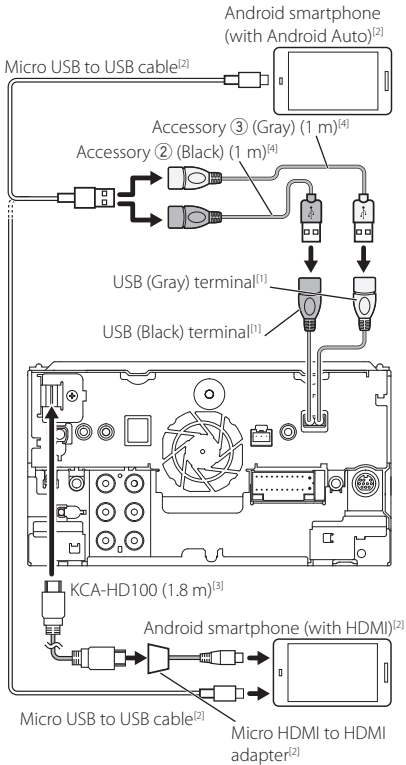
^[1] USB maximum power supply current :
 DC 5 V $\overline{\text{---}}$ 1.5 A

^[2] Sold separately

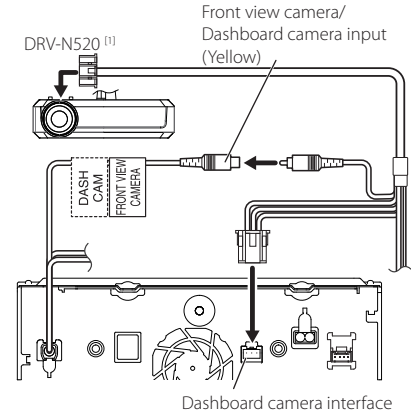
^[3] Optional accessory

^[4] See **Securing the USB extension cable (P.89)**.

Connecting an Android smartphone



Connecting a Dashboard camera



^[1] Optional accessory

^[1] USB maximum power supply current :

DC 5 V \equiv 1.5 A

^[2] Sold separately

^[3] Optional accessory

^[4] See **Securing the USB extension cable (P.89)**.

Troubleshooting

Problems and Solutions

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

NOTE

- 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

- **Cannot set up the subwoofer.**
- **Cannot set up subwoofer phase.**
- **No output from the subwoofer.**
- **Cannot set up the low pass filter.**
- **Cannot set up the high pass filter.**

Subwoofer is not set to on.

- Set the subwoofer to on. See *Speaker/X'over setup (P.72)*.

The dual zone function is enabled.

- Set the dual zone function to off. See *Zone Control (P.76)*.

- **Cannot select the output destination of the subsource in the dual zone.**
- **Cannot adjust the volume of the rear speakers.**

The dual zone function is disabled.

- Set the dual zone function to on. See *Zone Control (P.76)*.

- **Cannot set up the equalizer.**
- **Cannot set up the crossover network.**

The dual zone function is enabled.

- Set the dual zone function to off. See *Zone Control (P.76)*.

About audio operations

Radio reception is poor.

The car antenna is not extended.

- Pull out the antenna all the way.

The antenna control wire is not connected.

- Connect the wire correctly. See *Connecting the system and external components (P.89)*.

Cannot select a folder.

The random play function is enabled.

- Turn off the random function.

Cannot perform repeat play during VCD playback.

The PBC function is enabled.

- Turn off the PBC function.

The specified disc does not play, but another one plays instead.

The disc is quite dirty.

- Clean the disc. See *Precautions on handling discs (P.4)*.

The disc is severely scratched.

- Try another disc instead.

The sound skips when an audio file is being played.

The disc is scratched or dirty.

- Clean the disc. See *Precautions on handling discs (P.4)*.

The recording condition is bad.

- Record the file again or use another disc.

Others

The Touch Sensor Tone doesn't sound.

The preout jack is being used.

- The Touch Sensor Tone cannot be output from the preout jack.

Android smartphone operation is slow.

This occurs when multiple applications are started on the Android smartphone.

- For details, see *Caution for Smartphone Users (P.5)*.

Error Messages

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

There is an error in the speaker wiring. Please check the connections.

Protective circuit has been activated because a speaker cord has shorted or it has come in contact with the car chassis.

- Wire or insulate the speaker cord as appropriate and turn the power off and on again.

Hot Error

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.

- Use the unit again after reducing the temperature of the unit.

Mecha Error

The disc player is malfunctioning.

- Eject the disc and try inserting it again. Contact the KENWOOD dealer if this indicator continues blinking or the disc cannot be ejected.

Disc Error

An unplayable disc is inserted.

- Change the disc. See **Playable Media and Files (P.94)**.

Read Error

The disc is quite dirty.

- Clean the disc. See **Precautions on handling discs (P.4)**.

Disc is upside down.

- Load the disc with the labeled side up.

Region Code Error

The disc you wanted to play has a region code that cannot be played with this unit.

- See **Region Codes in the World (P.96)** or try another disc.

Error 07–67

The unit is not operating correctly due to some reason or other.

- Turn the power off and on again. If the "Error 07–67" message does not disappear, contact your nearest KENWOOD dealer.

No Device (USB device)

The USB device is selected as a source although no USB device is connected.

- Change the source to any source other than USB/iPod. Connect a USB device, and change the source to USB again.

Disconnected (iPod, Bluetooth audio player)

The iPod/Bluetooth audio player is selected as a source although no iPod/Bluetooth audio player is connected.

- Change the source to any source other than iPod/Bluetooth. Connect an iPod/Bluetooth audio player, and change the source to iPod/Bluetooth again.

No Media file

The connected USB device contains no playable audio file. Media was played that doesn't have data recorded that the unit can play.

- See **Playable Media and Files (P.94)** and try another USB device.

USB device over current status detected.

The connected USB device is rated a current capacity higher than the allowable limit.

- 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.

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.

Appendix

Playable Media and Files

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

List of playable discs

Disc types / Standard		Support	Remark
DVD	DVD Video	○	
	DVD Audio	×	
	DVD-VR	×	
	DVD-R*1	○	<ul style="list-style-type: none"> • MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis/ MPEG1/ MPEG2/ MPEG4/ H.264/ WMV/ MKV playback • Multi-border/Multisession playback (Playback depends on authoring conditions)
	DVD-RW	○	
	DVD+R	○	
	DVD+RW	○	
	DVD-R DL (Dual layer)	○	Only video format
DVD+R DL (Double layer)	○		
DVD-RAM	×		
CD	Music CD*1	○	
	CD-ROM	○	<ul style="list-style-type: none"> • MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis playback
	CD-R	○	<ul style="list-style-type: none"> • Multisession is supported.
	CD-RW	○	<ul style="list-style-type: none"> • Packet write is not supported.
	DTS-CD	×	
	Video CD (VCD)	○	
	Super video CD	×	
	Photo CD	×	
	CD-EXTRA	△	Only music CD session can be played.
	HDCD	△	Normal music CD sound quality
	CCCD	×	
Others	Dualdisc	×	
	Super audio CD	△	Only CD layer can be played.

○ : Playback is possible.

△ : Playback is partly possible.

× : Playback is impossible.

*1 Incompatible with 8 cm (3 inch) discs.

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 the one of the following.

- ISO 9660 Level 1/2
- Joliet
- Romeo
- Long file name

About files

The following audio and video files are supported.

■ Playable Audio files

	Format	Bit rate	Sampling frequency	Bit count
AAC-LC (.m4a)	MPEG2/4 AAC LC HE-AAC(V1,V2)	8 – 320kbps, VBR	16 – 48 kHz	16 bit
MP3 (.mp3)	MPEG 1/2 Audio Layer 3	8 – 320kbps, VBR	16 – 48 kHz	16 bit
WMA (.wma)	Windows Media Audio Standard L3 profile (Version 7,8,9)	8 – 320kbps	16 – 48 kHz	16 bit
Linear PCM (WAVE) (.wav)	RIFF waveform Audio Format	–	16 – 48 kHz (Disc), 16 – 192 kHz (USB/ SD)	16/ 24 bit
FLAC (.flac)	flac	–	16 – 48 kHz (Disc), 16 – 192 kHz (USB/ SD)	16/ 24 bit
Vorbis (.ogg)	vorbis	VBR	16 – 48 kHz	16 bit
DSD (.dsf, .dff)	DSF, DSDIFF	–	2.8 MHz, 5.6 MHz, 11.2 MHz	1 bit

- 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 files with DRM cannot be played.
- DSD sound is converted to PCM sound before playback.
- The EmChinks tag of DSDIFF is not supported.
- Although the audio files complies with the standards listed above, they may not be played depending on the types or conditions of media or device.
- This unit supports playback of High-Resolution Audio files.
It is recommended that a car audio system should be configured with all High-Resolution Audio compatible products from player to speaker to enjoy its high quality sound.

■ Acceptable Video files

	Profile	Max. Picture size	Max. bit rate	Audio format
MPEG-1 (.mpg, .mpeg)	–	352 × 240, 352 × 288	1.5 Mbps	MPEG Audio Layer 2
MPEG-2 (.mpg, .mpeg)	MP@ML	720 × 480, 720 × 576	8 Mbps	MPEG Audio Layer 2
H.264/MPEG-4 AVC (.mp4, .m4v, .avi, .flv, .f4v)	Baseline Profile, Main Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
MPEG-4 (.mp4, .avi)	Advanced Simple Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
WMV (.wmv)	Main Profile	1920 × 1080 (30 fps)	8 Mbps	WMA
MKV (.mkv)	Video format follows H.264/MPEG-4 AVC, MPEG-4, WMV			MP3, AAC, WMA, Vorbis, FLAC

- This unit can only play back files which are smaller than 4 GB.

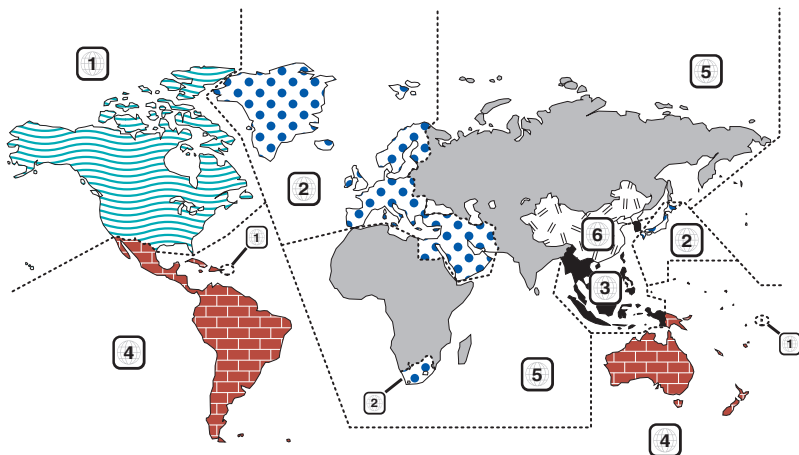
■ Limitation on structure of file and folder

	Disc media	USB device/ SD
Maximum number of folder layers	8	8
Maximum number of files (per folder)	999	999
Maximum number of folders (per folder)	5000	9999
Maximum number of folders (per device)	5000	Unlimited

- You can enter a folder name and file name with 255 or fewer single-byte characters.
- Files in the folder whose folder name begins with a dot (.) cannot be played.

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



Indicates a region number. The discs with this mark can be played with any DVD player.



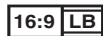
Indicates the number of audio languages recorded. Up to 8 languages can be recorded in a movie. You can select a favorite language.



Indicates the number of subtitled languages recorded. Up to 32 languages can be recorded.



If a DVD disc has scenes shot from multiple angles, you can select a favorite angle.



Indicates the type of screen for the image. The left mark indicates that a wide image picture (16:9) is displayed on a standard TV set screen (4:3) with a black band at both the top and bottom of the screen (letter box).

■ Operation regulatory marks

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

Code	Language
aa	Afar
ab	Abkhazian
af	Afrikaans
am	Amharic
ar	Arabic
as	Assamese
ay	Aymara
az	Azerbaijani
ba	Bashkir
be	Byelorussian
bg	Bulgarian
bh	Bihari
bi	Bislama
bn	Bengali, Bangla
bo	Tibetan
br	Breton
ca	Catalan
co	Corsican
cs	Czech
cy	Welsh
da	Danish
de	German
dz	Bhutani
el	Greek
en	English
eo	Esperanto
es	Spanish
et	Estonian
eu	Basque
fa	Persian
fi	Finnish
fj	Fiji
fo	Faroese
fr	French
fy	Frisian
ga	Irish
gd	Scots Gaelic
gl	Galician
gn	Guarani
gu	Gujarati
ha	Hausa
he	Hebrew
hi	Hindi
hr	Croatian
hu	Hungarian
hy	Armenian

Code	Language
ia	Interlingua
ie	Interlingue
ik	Inupiak
id	Indonesian
is	Icelandic
it	Italian
ja	Japanese
jv	Javanese
ka	Georgian
kk	Kazakh
kl	Greenlandic
km	Cambodian
kn	Kannada
ko	Korean
ks	Kashmiri
ku	Kurdish
ky	Kirghiz
la	Latin
lb	Luxembourgish
ln	Lingala
lo	Laotian
lt	Lithuanian
lv	Latvian, Lettish
mg	Malagasy
mi	Maori
mk	Macedonian
ml	Malayalam
mn	Mongolian
mo	Moldavian
mr	Marathi
ms	Malay
mt	Maltese
my	Burmese
na	Nauru
ne	Nepali
nl	Dutch
no	Norwegian
oc	Occitan
om	(Afan) Oromo
or	Oriya
pa	Punjabi
pl	Polish
ps	Pashto, Pushto
pt	Portuguese
qu	Quechua
rm	Rhaeto-Romance

Code	Language
rn	Kirundi
ro	Romanian
ru	Russian
rw	Kinyarwanda
sa	Sanskrit
sd	Sindhi
sg	Sangho
sh	Serbo-Croatian
si	Singhalese
sk	Slovak
sl	Slovenian
sm	Samoan
sn	Shona
so	Somali
sq	Albanian
sr	Serbian
ss	Siswati
st	Sesotho
su	Sundanese
sv	Swedish
sw	Swahili
ta	Tamil
te	Telugu
tg	Tajik
th	Thai
ti	Tigrinya
tk	Turkmen
tl	Tagalog
tn	Setswana
to	Tongan
tr	Turkish
ts	Tsonga
tt	Tatar
tw	Twi
uk	Ukrainian
ur	Urdu
uz	Uzbek
vi	Vietnamese
vo	Volapuk
wo	Wolof
xh	Xhosa
yo	Yoruba
zh	Chinese
zu	Zulu

Specifications

■ Monitor section

Picture Size

- : 6.75 inches (diagonal) wide
- : 152.1 mm (W) × 79.5 mm (H)
- 5-63/64 × 3-1/8 inch

Display System

- : AAS LCD panel

Drive System

- : TFT active matrix system

Number of Pixels

- : 2,764,800 (1280H x 720V x RGB)

Effective Pixels

- : 99.99 %

Pixel Arrangement

- : RGB striped arrangement

Back Lighting

- : LED

■ DVD player section

D/A Converter

- : 24/ 32 bit

Audio Decoder

- : Linear PCM/ Dolby Audio/ MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis

Video Decoder

- : MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

Wow & Flutter

- : Below Measurable Limit

Frequency Response

- 96 kHz : 20 – 44,000 Hz
- 48 kHz : 20 – 22,000 Hz
- 44.1 kHz : 20 – 20,000 Hz

Total Harmonic Distortion

- : 0.010 % (1 kHz)

S/N Ratio (dB)

- : 90.5 dB

Dynamic Range

- : 89 dB

Disc Format

- : DVD-Video/ VIDEO-CD/ CD-DA

Quantifying Bit Number

- : 16/ 20/ 24 bit

■ USB interface section

USB Standard

- : USB 2.0 High Speed

File System

- : FAT 16/ 32, exFAT, NTFS

Maximum Power Supply Current

- : DC 5 V  1.5 A × 2

D/A Converter

- : 24/ 32 bit

Audio Decoder

- : MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis/ DSD

Video Decoder

- : MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

■ SD section

SD Standard

- : SD / SDHC / SDXC

Compatible File System

- : FAT 16/ 32, exFAT, NTFS

Capacity

- : Maximum 2T Byte

Data Transfer Rate

- : Maximum 25 Mbps

Audio Decoder

- : MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis/ DSD

Video Decoder

- : MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

■ Bluetooth section

Technology

: Bluetooth Ver.4.1

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

: SBC/ AAC

Profile (Multi Profile support)

- HFP (V1.7) (Hands Free Profile)
- SPP (Serial Port Profile)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (V1.6) (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)

■ HDMI section

HDMI

: Type-A

Input Resolution

- VGA (640x480p @59.94Hz/60Hz)
- 480p (720x480p @59.94Hz/60Hz)
- 720p (1280x720p @59.94Hz/60Hz)

Input Audio Type

: 32K/ 44.1K/ 48K/ 88.2K/ 96K/ 176.2K/ 192K Hz
16/20/24-bit Linerar PCM

■ DAB section

Frequency Range

BAND III: 174.928 – 239.200 (MHz)

Sensitivity

: -100 dBm

S/N Ratio (dB)

: 90 dB

■ Digital Antenna Connector section

Connector type

: SMB

Output Voltage (11 – 16V)

: 14.4 V

Maximum Current

: < 100 mA

■ FM tuner section

Frequency Range (step)

: 87.5 MHz – 108.0 MHz (50 kHz)

Usable Sensitivity (S/N : 30 dB)

: 9.3 dBf (0.8 μ V/75 Ω)

Quieting Sensitivity (S/N : 46 dB)

: 15.2 dBf (1.6 μ V/75 Ω)

Frequency Response

: 30 Hz – 15 kHz

S/N Ratio (dB)

: 75 dB (MONO)

Selectivity (\pm 400 kHz)

: Over 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)

Usable Sensitivity

MW: 25 μ V

LW: 45 μ V

■ Video section

Color System of External Video Input

: NTSC/PAL

External Video Input Level (mini jack)

: 1 Vp-p/ 75 Ω

External Audio Max Input Level (mini jack)

: 2 V/ 25 k Ω

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 k Ω

Appendix

■ 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

High pass filter

Frequency: 250/ 300/ 1k/ 1.6k/ 2.5k/ 4k/ 5k/ 6.3k/ 8k/
10k/ 12.5k Hz

Slope: -12/-18/-24 dB/Oct.

Band pass filter

Frequency: Through, 50/ 60/ 70/ 80/ 90/ 100/ 120/
150/ 180/ 220/ 250/ 300 Hz
250/ 300/ 1k/ 1.6k/ 2.5k/ 4k/ 5k/ 6.3k/
8k Hz, Through

Slope: -12/-18/-24 dB/Oct.

Low pass filter

Frequency: 30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/
150 Hz, Through

Slope: -12/-18/-24 dB/Oct.

Position

Front / Rear /Subwoofer Delay

: 0 – 6.1 m (0.01 m Step)

Gain

: -8 – 0 dB

Subwoofer level

: -50 – +10 dB

■ Audio section

Maximum Power (Front & Rear)

: 50 W × 4

Typical Power Output (Front & Rear)

Full Bandwidth Power (at less than 1% THD)
: 22 W × 4

Output frequency band

: 20 – 88,000 Hz

Preout Level (V)

: 5 V/ 10 k Ω

Preout Impedance

: \leq 300 Ω

Speaker Impedance

: 4 – 8 Ω

■ Navigation section

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

Position Method

: GPS

Antenna

: External GPS antenna

■ General

Operating Voltage

: 14.4 V (10.5 – 16 V allowable)

Maximum Current Consumption

: 15 A

Installation Dimensions (W × H × D)

: 178 × 100 × 160 mm

With Sleeve

: 182 × 112 × 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.

About this Unit

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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.

■ Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for EU countries that have adopted separate waste collection systems)

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste. Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts.

Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.



■ מידע בדבר השלכה לאשפה של ציוד חשמלי ואלקטרוני ישן וכן סוללות (רלוונטי למדינות שמשמשות במערכת איסוף אשפה מופרדת).

לא ניתן להשליך מוצרים וסוללות עם הסיומן (פח אשפה עם X עליו) כאשפה ביתית רגילה.

יש למחזר ציוד חשמלי ואלקטרוני ישן וכן סוללות במתקן המסוגל לטפל בפריטים כאלה ובתוצרי הלואי שלהם.

צרו קשר עם הרשות המקומית לקבלת פריטים אודות מתקן המחזור הקרוב אליכם. מיחזור והשלכה לאשפה נאותים יעזרו לשמר משאבים ולמנוע השפעות שליליות על בריאותנו ועל הסביבה.

שימו לב: הסיומן Pb שמתחת לסיומן עובר סוללות מציינ שהסוללה מכילה עופרת.



Declaration of Conformity with regard to the RE Directive 2014/53/EU

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 Europe B.V.
Amsterdamseweg 37, 1422 AC UITHOORN, THE
NETHERLANDS

English

Hereby, JVC KENWOOD declares that the radio equipment DNX9180DABS is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:

Français

Par la présente, JVC KENWOOD déclare que l'équipement radio DNX9180DABS est conforme à la directive 2014/53/UE. L'intégralité de la déclaration de conformité UE est disponible à l'adresse Internet suivante :

Deutsch

Hiermit erklärt JVC KENWOOD, dass das Funkgerät DNX9180DABS der Richtlinie 2014/53/EU entspricht. Der volle Text der EU-Konformitätserklärung steht unter der folgenden Internetadresse zur Verfügung:

Nederlands

Hierbij verklaart JVC KENWOOD dat de radioapparatuur DNX9180DABS in overeenstemming is met Richtlijn 2014/53/EU. De volledige tekst van de EU-verklaring van overeenstemming is te vinden op het volgende internetadres:

Italiano

Con la presente, JVC KENWOOD dichiara che l'apparecchio radio DNX9180DABS è conforme alla Direttiva 2014/53/UE. Il testo integrale della dichiarazione di conformità UE è disponibile al seguente indirizzo internet:

Español

Por la presente, JVC KENWOOD declara que el equipo de radio DNX9180DABS cumple la Directiva 2014/53/UE. El texto completo de la declaración de conformidad con la UE está disponible en la siguiente dirección de internet:

Português

Deste modo, a JVC KENWOOD declara que o equipamento de rádio DNX9180DABS está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade da UE está disponível no seguinte endereço de internet:

Polska

Niniejszym, JVC KENWOOD deklaruje, że sprzęt radiowy DNX9180DABS jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności EU jest dostępny pod adresem:

Český

Společnost JVC KENWOOD tímto prohlašuje, že rádiové zařízení DNX9180DABS splňuje podmínky směrnice 2014/53/EU. Plný text EU prohlášení o shodě je dostupný na následující internetové adrese:

Appendix

Magyar

JVC KENWOOD ezennel kijelenti, hogy a DNX9180DABS rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU konformitási nyilatkozat teljes szövege az alábbi weboldalon érhető el:

Hrvatski

JVC KENWOOD ovim izjavljuje da je radio oprema DNX9180DABS u skladu s Direktivom 2014/53/EU. Cjeloviti tekst deklaracije Europske unije o usklađenosti dostupan je na sljedećoj internet adresi:

Svenska

Härmed försäkrar JVC KENWOOD att radioutrustningen DNX9180DABS är i enlighet med direktiv 2014/53 / EU. Den fullständiga texten av EU-försäkran om överensstämmelse finns på följande Internetadress :

Suomi

JVC KENWOOD julistaa täten, että radiolaitte DNX9180DABS on direktiivin 2014/53/EU mukainen. EU-vaatimustenmukaisuusvakuutus löytyy kokonaisuudessaan seuraavasta internet-osoitteesta:

Slovensko

S tem JVC KENWOOD izjavlja, da je radijska oprema DNX9180DABS v skladu z Direktivo 2014/53/EU. Celotno besedilo direktive EU o skladnosti je dostopno na tem spletnem naslovu:

Slovensky

Spoločnosť JVC KENWOOD týmto vyhlasuje, že rádiové zariadenie DNX9180DABS vyhovuje nariadeniu 2014/53/EU. Celý text EU vyhlásenia o zhode nájdete na nasledovnej internetovej adrese:

Dansk

Herved erklærer JVC KENWOOD, at radioustyret DNX9180DABS er i overensstemmelse med Direktiv 2014/53/EU. EU-overensstemmelseserklæringens fulde ordlyd er tilgængelig på følgende internetadresse:

Norsk

JVC KENWOOD erklærer herved at radioustyret DNX9180DABS er i samsvar med Direktiv 2014/53/EU. Den fullstendige teksten til EU-konformitetserklæringen er tilgjengelig på følgende internetadresse:

Ελληνικά

Με το παρόν, η JVC KENWOOD δηλώνει ότι ο ραδιοεξοπλισμός DNX9180DABS συμμορφώνεται με την Οδηγία 2014/53/ΕΕ. Το πλήρες κείμενο της δήλωσης συμμόρφωσης της ΕΕ είναι διαθέσιμο στην ακόλουθη διεύθυνση στο διαδίκτυο:

Eesti

Käesolevaga JVC KENWOOD kinnitab, et DNX9180DABS raadiovarustus on vastavuses direktiiviga 2014/53/EL. Eli vastavusdeklaratsiooni terviktekst on kättesaadav järgmisel internetiaadressil:

Latviešu

JVC KENWOOD ar šo deklarē, ka radio aparatūra DNX9180DABS atbilst direktīvas 2014/53/ES prasībām. Pilns ES atbilstības deklarācijas teksts ir pieejams šādā tīmekļa adresē:

Lietuviškai

Šiuo JVC KENWOOD pažymi, kad radijo įranga DNX9180DABS atitinka 2014/53/EB direktyvos reikalavimus. Visą EB direktyvos atitikties deklaracijos tekstą galite rasti šiuo internetiniu adresu:

Malti

B'dan, JVC KENWOOD jiddikjara li t-tagħmir tar-radju DNX9180DABS huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità huwa disponibbli fl-Indirizz intranet li ġej:

Українська

Таким чином, компанія JVC KENWOOD заявляє, що радіобладнання DNX9180DABS відповідає Директиві 2014/53/ЕU. Повний текст декларації про відповідність ЄС можна знайти в Інтернеті за такою адресою:

Türkçe

Burada, JVC KENWOOD DNX9180DABS radyo ekipmanının 2014/53/ AB Direktifine uygun olduğunu bildirir. AB uyumluluk deklarasyonunun tam metni aşağıdaki internet adresinde mevcuttur.

Русский

JVC KENWOOD настоящим заявляет, что радиооборудование DNX9180DABS соответствует Директиве 2014/53/EU. Полный текст декларации соответствия ЕС доступен по следующему адресу в сети Интернет:

Limba română

Prin prezenta, JVC KENWOOD declară că echipamentul radio DNX9180DABS este în conformitate cu Directiva 2014/53/UE. Textul integral al declarației de conformitate UE este disponibil la următoarea adresă de internet:

Български език

С настоящото JVC KENWOOD декларира, че радиооборудването на DNX9180DABS е в съответствие с Директива 2014/53/ЕС. Пълният текст на ЕС декларацията за съответствие е достъпен на следния интернет адрес:

URL: <http://www.kenwood.com/cs/ce/eudoc/>

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