



KW-Z1001W KW-Z1000AW KW-Z800AW

MONITOR WITH RECEIVER INSTRUCTION MANUAL

JVCKENWOOD Corporation

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Before Use

IMPORTANT

Please read this manual carefully to ensure proper use before using this product. It is especially important that you read and observe **WARNINGS** and **CAUTIONS** in this manual. Please keep the manual in a safe and accessible place for future reference.

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 JVC dealer.

■ Precautions on using this unit

- When you purchase optional accessories, check with your JVC 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 **System Setup (P.95)**.
- The 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.

■ 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 JVC receiver, please be sure to close any unused applications.

How to read this manual

- The screens and panels shown in this manual are examples used to provide a clear explanation of operations. For this reason, they may be different from the actual screens or panels, or some display patterns may be different from the actual ones.
- Display language: English is used for the purpose of explanation. You can select a display language from the [SETUP] menu. See **System Setup (P.95)**.
- []: Indicates the name of touch keys.

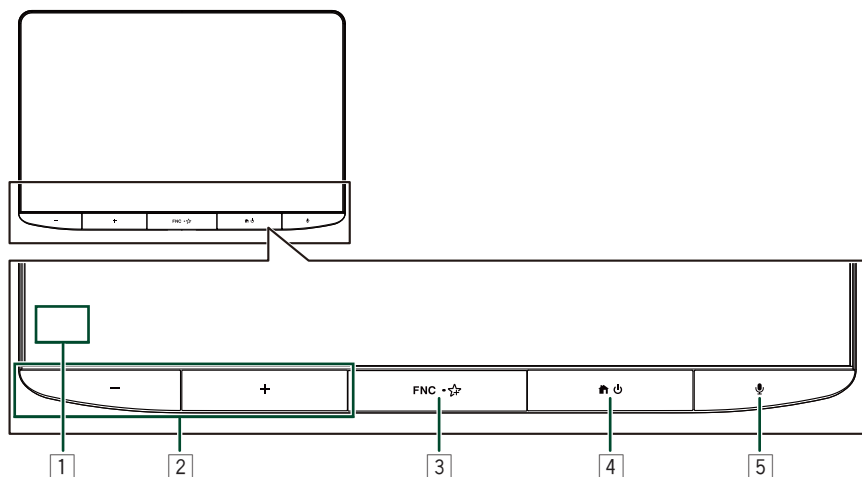


This symbol on the product means there are important operating and maintenance instructions in this manual. Be sure to carefully read instructions in this manual.

Basic Operations

Functions of the Buttons on the Front Panel

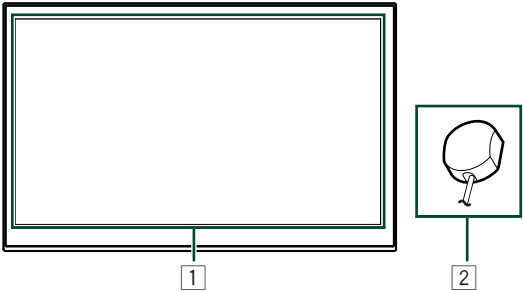
KW-Z1001W/KW-Z1000AW



Number	Name	Motion
1	Remote Sensor	Receives the remote control signal.
2	-, + (Volume)	Adjusts the volume. The volume will go up to 15 when you keep pressing [+]. (P.13)
3	FNC/★	- Displays the popup menu screen. - Pressing and holding, displays the screen you have set in the Favorite Customize screen. (P.96)
4	🏠 ⏻	- Displays the HOME screen. (P.16) - When the power is off, turns the power on. - Pressing and holding, turns the power off.
5	🎤	- Switches the voice recognition function on/off. (P.29) (P.32) (P.79) - When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, pressing and holding displays Bluetooth pairing waiting dialog. (P.71)

Basic Operations

KW-Z800AW



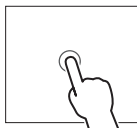
Number	Name	Motion
1	Screen	Touch panel.
2	Remote Sensor	Receives the remote control signal.

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.

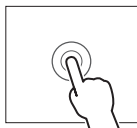
● Touch

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.



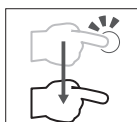
● Flick

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.

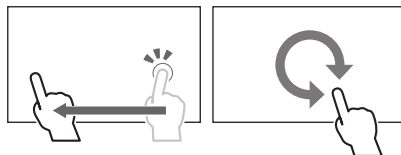


● Swipe

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



- Moving your finger clockwise or counter-clockwise: Increases/decreases the volume.



On the HOME screen, you can control the widget by sliding two fingers. **(P.25)**

Gesture Touch Control:

You can also control playback by moving your finger on the touch panel as follows (for some sources, the gesture touch control function is not available).

- Sliding the finger upward/downward:
Equivalent to the operation of pressing **[+]** / **[-]** (Media). Tuner Preset broadcast stations are switched.
- Sliding the finger leftward/rightward:
Equivalent to the operation of pressing **[◀▶]** / **[▶▶]**.

Turning on the Unit

NOTE

- If it is your first time to turn the unit on after installation, it will be necessary to perform Initial SETUP (P.14).

NOTE

- If the  button is not displayed, set [MENU Button Display] to "ON". (P.94)

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- Press the   button.



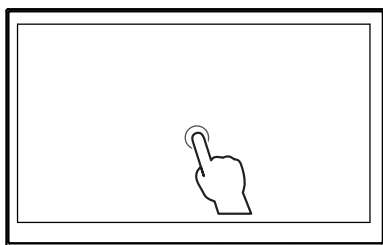
The unit is turned on.

● To turn off the unit:

- Press and hold the   button.
The unit is turned off.

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- Touch the screen.



The unit is turned on.

● To turn the AV off:

- Touch  at the top of the screen.



- Touch  AV OFF on the popup menu.



The unit is turned the AV (screen and audio) off.

Adjusting the volume

You can adjust the volume (0 to 40).

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Press [+] to increase, and press [-] to decrease. Holding [+] increases the volume continuously to level 15.



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- 1 Touch  at the top of the screen.



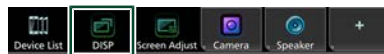
- 2 Touch [-] or [+] on the popup menu.
Holding [+] increases the volume continuously to level 15.



Turn off the screen

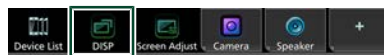
KW-Z1001W/KW-Z1000AW

- 1 Press the FNC  button.
Popup menu appears.
- 2 Touch and hold [DISP] on the popup menu.



KW-Z800AW

- 1 Touch  at the top of the screen.
Popup menu appears.
- 2 Touch and hold [DISP] on the popup menu.



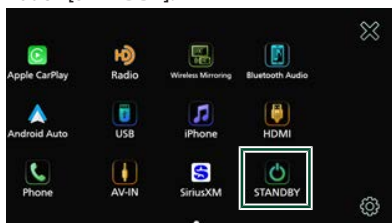
NOTE

- Touch the display to turn on the screen.
- To display the clock while the screen is off, it is necessary to set "OSD Clock" to "ON". (P.92)

Put the unit in standby

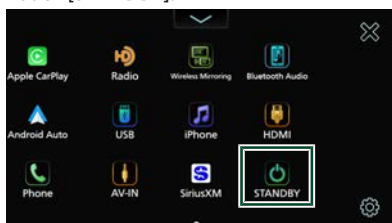
KW-Z1001W/KW-Z1000AW

- 1 Press the  button.
HOME screen appears.
- 2 Touch .
- 3 Touch [STANDBY].



KW-Z800AW

- 1 Touch  at the top of the screen.
Pop up menu appears.
- 2 Touch  HOME on the popup menu.
HOME screen appears.
- 3 Touch .
- 4 Touch [STANDBY].

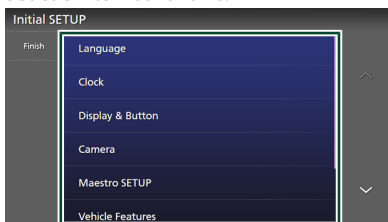


Initial Settings

Initial SETUP

Perform this setup when you use this unit first time.

- 1 Set each item as follows.



[Language]

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

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

[Clock]

Sets the synchronization of the clock. For details, see **Select the time zone and time format (P.15)**.

[Display & Button]

Set button illumination color and viewing angle.

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

- ① Touch [Display & Button].
- ② Set each item and touch .

For details, see **Display & Button Setup (P.92)**.

[Camera]

Set the parameters for the camera.

- ① Touch [Camera].
- ② Set each item and touch .

For details, see **Camera Setup (P.83)**.

[Maestro SETUP]

Access settings for the iDataLink Maestro (commercially available), including settings menus for advanced camera controls, vehicle diagnostics, OEM Settings menus, and more. (Requires installation of an iDataLink Maestro in a compatible vehicle).

■ [Vehicle Features]

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

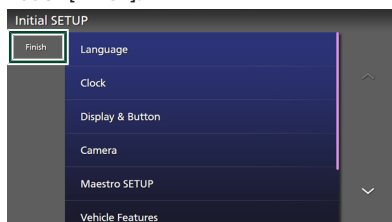
■ [DEMO]

Set the demonstration mode. Default is "ON".

■ [System Configuration]

Configure the digital sound output settings. For details, see **System Configuration settings (P.15)**.

2 Touch [Finish].

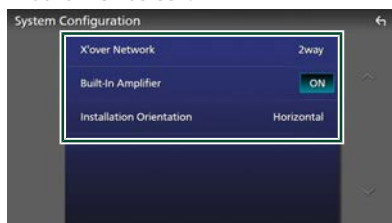


NOTE

- These settings can be made from the SETUP menu. See **Setup (P.89)**.
- When reconfiguring the System Configuration settings, run Initialize from the System Setup. Parameters not included in System Configuration can be configured in SETUP.
- System Configuration settings (except for Built-In Amplifier) can only be configured during Initial Setup.
- When configuring the [Installation Orientation], the system will restart after the [Finish] button is pressed.

■ System Configuration settings

1 Touch [System Configuration] on the Initial SETUP screen.



■ [X'over Network]

Set X'over Network to either 2-way or 3-way.

- ① Touch [X'over Network].
- ② Read the message and press [Next].

- ③ Select the crossover network mode. [2way] (Default) / [3way]
- ④ Touch [Yes].

▲ CAUTION

Connecting 3-way speakers with the 2-way mode selected can break the speakers.

NOTE

- When installing a 3-way speaker, make sure to always first run Initialize and go through the user setup. See **System Setup (P.95)**.

■ [Built-In Amplifier]

Select whether to use the built-in power amplifier. Turning off the built-in amplifier improves the quality of the sound from Preout.

[ON] (Default) / [OFF]

■ [Installation Orientation]

Set whether the main unit is oriented vertically or horizontally.

① Touch [Installation Orientation].

② Select the orientation.

[Horizontal] (Default) / [Vertical]

③ Touch .

Touch [Finish] and a message will appear. Touch [Yes] to restart and apply the settings.

■ Select the time zone and time format

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Press the   button.

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Touch  at the top of the screen.

Touch  HOME on the popup menu. HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [System].

System setting menu appears.

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



■ [Time Format]

Select the time display format.
[12-Hour] (Default) / [24-Hour]

■ [Time Zone]

Select the time zone.

Display the HOME screen

KW-Z1001W/KW-Z1000AW

- 1** Press the  button.



HOME screen appears.

KW-Z800AW

- 1** Touch  at the top of the screen.



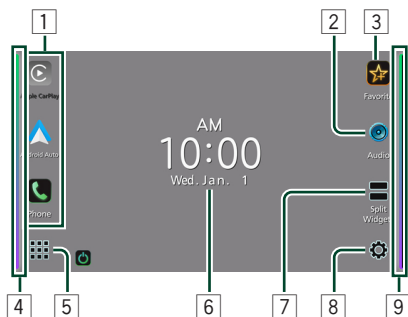
- 2** Touch  HOME on the popup menu.



HOME screen appears.

HOME screen descriptions

Most functions can be performed from the HOME screen.



1 _____
Short-cut playback source icons. (P.19)

2 _____
Displays the Audio screen. (P.99)

3 _____
• Displays the screen you have set in the Favorite Customize screen. (P.96)

- Touch and hold to display the Customize Favorite Key screen.^{*1}

4

Swipe your finger from left hand side to right hand side on the screen to display the widget selection menu. **(P.25)**

5

Displays the source selection screen. **(P.19)**

6

- Widget **(P.25)**
 - You can change the display to big widget or split widgets mode by sliding 2 fingers upward/downward.

7

Switches between the big widget and the split widgets mode. **(P.25)**

8

Displays the SETUP screen. **(P.89)**

9

Swipe your finger from right hand side to left hand side on the screen to display the setting menu for some functions.

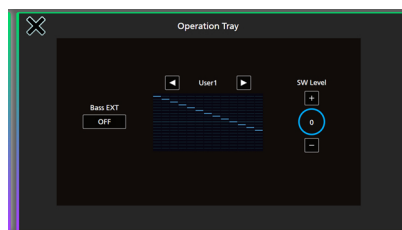
*1 This function is enabled on the HOME screen.

Display the setting menu for some functions

Swipe your finger from right hand side to left hand side on the screen, the setting menu for some functions is appeared.

You can set the following functions.

- Preset EQ curve^{*1}
- Bass EXT (Bass Extend Settings)^{*1}
- SW Level^{*1}
- Air conditioner^{*2}



*1 For detailed setting of the functions, see **Equalizer Control (P.101)**.

*2 Only when the iDatalink Maestro (commercially available) is connected.

Popup menu

KW-Z1001W/KW-Z1000AW

- 1 Press the FNC  button.



Popup menu appears.

- 2 Touch to display the popup menu.



The contents of the menu are as follows.

	Displays the control screen of current source. Icon feature differs depending on the source. This icon is for USB source.
	- Switches between screens. The screen to be switched to depends on the [DISP Key] setting in the Key Assignment setting menu. (P.96) - Touch and hold to turns the screen off.
	Displays the Screen Adjustment screen. (P.89)
	- Function key 1 to 3: The current screen changes to the one you have set. The function key1 and 2 are set to [Camera] and [Speaker] function as default. For the function setting, refer to Customize popup menu functions (P.97).  : Displays the view camera screen. (P.83)  : Displays the Audio screen. (P.99) - Touch and hold to display the Customize FNC Menu screen. (P.97)
	Close the popup menu.
	Short-cut source icons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to Customize Short-cut source icons (P.20).

	Displays the SETUP Menu screen. (P.89)
	Displays the Device List screen. (P.71)

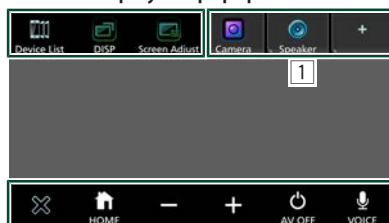
KW-Z800AW

- 1 Touch  at the top of the screen.



Popup menu appears.

- 2 Touch to display the popup menu.



The contents of the menu are as follows.

	Displays the Device List screen. (P.71)
	- Switches between screens. The screen to be switched to depends on the [DISP Key] setting in the Key Assignment setting menu. (P.96) - Touch and hold to turns the screen off.
	Displays the Screen Adjustment screen. (P.89)
	- Function key1 to 3: The current screen changes to the one you have set. The function key1 and 2 are set to [Camera] and [Speaker] function as default. For the function setting, refer to Customize popup menu functions (P.97).  : Displays the view camera screen. (P.83)  : Displays the Audio screen. (P.99) - Touch and hold to display the Customize FNC Menu screen. (P.97)
	Close the popup menu.
	Opens the HOME menu. (P.16)
	Lowens the volume.

	Increases the volume.
	Turns off the screen and audio. Interrupts from incoming hands-free calls, rear camera views and so on are functional, though.
	- Switches the voice recognition function on/off. (P.29) (P.32) (P.79) - When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, pressing and holding displays Bluetooth pairing waiting dialog. (P.71)

Drag an icon () to move it left or right on the upper bar.



Source selection screen description

You can display icons of all playback sources and options on the source selection screen. To change pages, flick your finger leftward/rightward on the screen.



1 _____
Changes playback sources. For playback sources, see **Select the playback source (P.19)**.

2 _____
Returns to the previous screen.

3 _____
Page indication.

4 _____
Displays the SETUP Menu screen. **(P.89)**

Select the playback source

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

2 Touch .

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

	Switches to the Apple CarPlay screen from the connected iPhone. (P.28)
---	---

Basic Operations

	• Switches to the Android Auto screen from the connected Android™ smartphone. (P.30)
	• Displays the Hands-Free screen. (P.77) When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, displays Bluetooth pairing waiting dialog.*1 (P.71)
	• Switches to the HD Radio broadcast. (P.42)
	• Switches to the Wireless Mirroring screen from the connected Android smartphone. (P.27)
	• Plays a Bluetooth audio player. (P.75)
	• Plays files on a USB device. (P.34)
	• Plays an iPhone. (P.38)
	• Plays a device connected to the HDMI input terminal. (P.86)
	• Switches to an external component connected to the AV Audio input and the Video input terminal.*2 *3 (P.85)
	• Switches to the SiriusXM® satellite radio broadcast. (P.49)
	• Puts the unit in standby. (P.14)
	• Switches to the Pitch and Roll screen. (P.88)

- For sources and information displayed when an iDataLink Maestro is connected, see **Maestro Features Operation (P.86)**.

- *1 When connecting as Apple CarPlay or Android Auto, it works as a phone provided in Apple CarPlay or Android Auto. If Apple CarPlay or Android Auto are connected during talking by the Bluetooth device or iDataLink Maestro phone, the current call will be continued.
- *2 You can use the [AV-IN] source when a cable from a visual source except a camera is connected to the Video input terminal, and a cable is connected to the AV Audio input terminal. **(P.128)**
- *3 Set "VIDEO IN" to "None" in Camera Assignment Settings. **(P.84)**

Customize Short-cut source icons

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

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

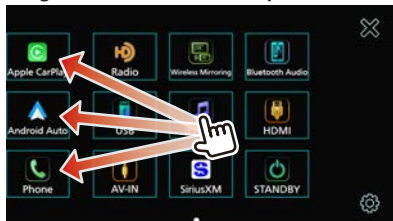
Touch  HOME on the pop-up menu.

HOME screen appears.

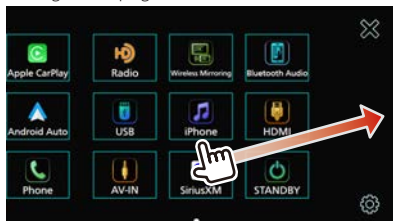
2 Touch .

3 Touch and hold the icon which you want to move in the customizing mode.

4 Drag the icon to the desired position.

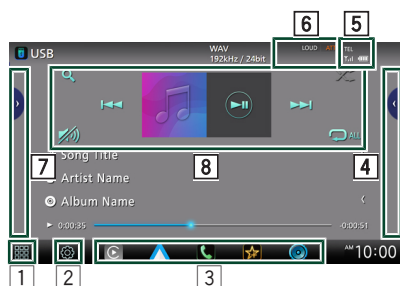


Changes the page



Source control screen descriptions

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



* For right hand drive vehicles, the left and right drawers are swapped. For how to set up the driving position, see **User Interface Setup (P.94)**.



Displays the source selection screen. (P.19)



Displays the SETUP Menu screen. (P.89)

3 Short-cut source icons

The source changes to the one you have set with a short-cut. For the short-cut setting, refer to **Customize Short-cut source icons (P.20)**.

4 Function panel *

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



Connected Bluetooth device information.

6 Indicator items

Displays the current source condition and so on.

- "ATT": The attenuator is active.
- "LOUD": The loudness control function is active.

7 Content list *

Displays the track/file/station/channel list.

8 Operation keys

You can operate the current source with these operation keys. The available functions are different depending on the source type.

List screen

There are some common function keys in the list screens of most sources. (P.36) (P.40) (P.76)

Display the list screen

● For USB/iPhone:

- 1 Touch **Q** or the item listed on the information area in the source control screen.

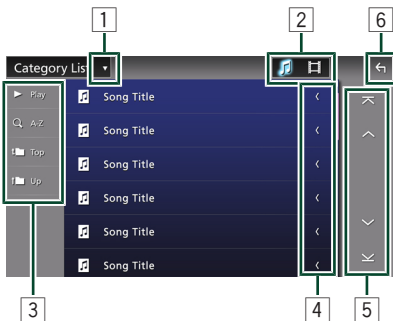
The list screen appears.

● For Bluetooth audio:

- 1 Touch **Q**.

The list screen appears.

You can use following operation keys from this screen.



- 1

Displays the list type selection window.

- 2

Displays a music/movie file list.

- 3 **Play etc.**

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.

- 4 **Text scroll**

Scrolls the displayed text.

- 5 / **Page scroll**

You can change pages to display more items by touching / .

- / : Displays the top or bottom page.

- 6 **Return**

Returns to the previous screen.

NOTE

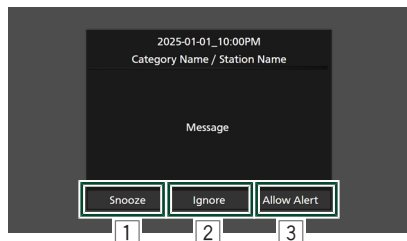
- Depending on the current source or mode, some function key may not appear.

About radio notifications

HD Radio Alert Messages

This function is to receive alert messages. First, you need to turn on the “Emergency Alerts” on the HD Radio source control screen. (P.42)

When an Alert Message comes



1

The alert message is erased. Same alert message cannot be displayed for next 10 minutes.

2

The alert message is erased. Same alert message cannot be displayed for next 12 hours.

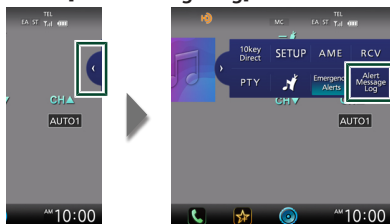
3

Touch to tune to that channel of HD Radio source.

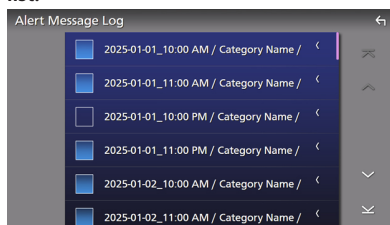
Display of the received Alert Message

You can read the received alert message afterward.

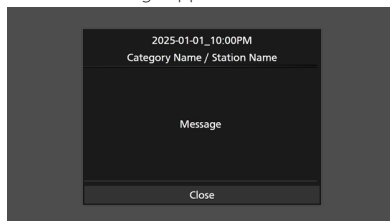
- 1 Touch  on the right side of the HD Radio source control screen.
Touch [Alert Message Log].



- 2 Select the desired Alert Message from the list.



The Alert Message appears.



- 3 Touch [Close].

Notification of the start of a SiriusXM® with 360L broadcast

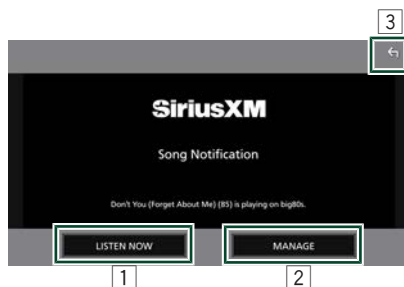
This function notifies you when a broadcast program related to a registered artist, song, or team is going to start.

You must first turn on “Notifications” on the SiriusXM listener settings screen. (P.65)

When a Notification comes

● Artist or Song Notification

This notifies you that a broadcast program related to a registered artist or song is going to start.



Basic Operations

1 _____
The source switches to SiriusXM and the channel broadcasting the program is tuned in.

2 _____
The settings screen is displayed.

3 _____
The notification turns off.

● Team Notification

This notifies you that a broadcast program related to a team is going to start.



1 _____
The source switches to SiriusXM and the channel broadcasting the program is tuned in.

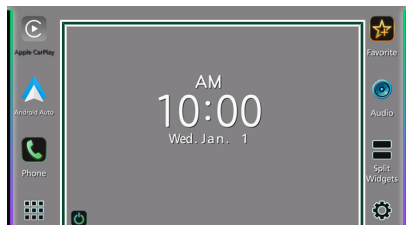
2 _____
The settings screen is displayed.

3 _____
The notification turns off.

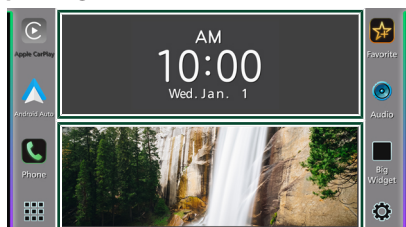
Widget

Widget Basic Operation

Big widget



Split widgets



Widget list

- Clock Widget
- AlbumArt Widget
- Spectrum analyzer/VU meter Widget
- iDataLink Maestro Widget ^{*1}
- Pitch and Roll Widget
- Compass Widget
- HDMI Widget ^{*2}
- Camera Widget ^{*2}
- Photo Frame Widget

^{*1} Displayable widgets vary depending on the type of the connected iDataLink Maestro (commercially available) and the model of the vehicle.

^{*2} Only when the big widget mode is selected.

● To change the widget style

Touch the widget area. You can change the displayed information or design.

● To change the widget

Slide two fingers leftward/rightward.

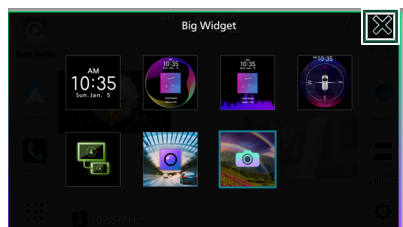
When the split widgets mode is selected, you should put the fingers on each of the windows before slide.



● To select the widget

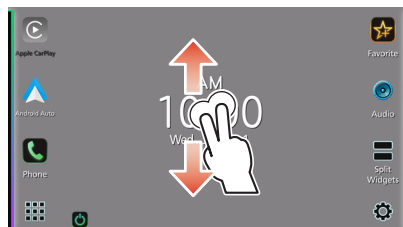
Swipe your finger from the left edge on the display to right hand side to display the widget selection menu.

Touch  to return to the HOME screen.



● To change the widget format

Slide two fingers upward/downward to switch between the big widget mode and the split widgets mode.



NOTE

- You can also change the widget format by touching  /  on the HOME screen. (P.16)

Photo Frame Widget

You can display a slideshow of the image files stored in your iPhone or Android smartphone.

Preparation

- See **Importing Image Files (P.26)**.

Importing Image Files

You can display image files stored in your iPhone or Android smartphone by connecting your iPhone or Android smartphone in which the "JVC Portal APP" application is installed to this unit.

The image files are displayed on the photo frame widget. Also, you can set an image as the wallpaper.

See **Photo Frame Widget (P.26)** and **To register an original color (P.94)**

Preparation

- Install the latest version of the "JVC Portal APP" application on your iPhone or Android smartphone.
 - iPhone: Search for "JVC Portal APP" in the Apple App Store to find and install the most current version.
 - Android smartphone: Search for "JVC Portal APP" in Google Play to find and install the most current version.
- For details, see "JVC Portal APP" application.

1 Connect the device.

- To connect a device 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.71)** and **Switch the connected device (P.72)**.
- Connect your iPhone with the USB cable that matches the connector. **(P.129)**

2 Unlock your device.

APPS

Wireless Mirroring Operation

You can display the same screen of the Android smartphone on the monitor of the unit using the Wireless Mirroring function of the Android smartphone.

Preparation

- You can use the Wireless Mirroring function with Android smartphones compatible with this function.
- This function may be called Wireless Display, Screen Mirroring, AllShare Cast, etc., depending on the manufacturer.
- The settings on the Android smartphone differ depending on the device type. For details, refer to the instruction manual supplied with your Android smartphone.
- If your Android smartphone is locked, Mirroring screen may not appear.
- If the Android smartphone is not ready for UIBC, you cannot perform touch operation.

NOTE

- Apps is discontinued when the power is turned ON/OFF or you leave the vehicle. To restart Apps, operate the Android smartphone.
- When the Apps source is displayed, you cannot register or reconnect a Bluetooth device. Switch the Apps source to another source, and then operate the Bluetooth device.

1 **KW-Z1001W/KW-Z1000AW**

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

2 Touch .

3 Touch [Wireless Mirroring]. (P.19)

The App screen is displayed.

4 Operate your Android smartphone to activate the Wireless Mirroring function, then connect to this unit.

5 Select ("KW-Z****") as the network to use.

When the connection is established, then the same screen displayed on the Android smartphone is displayed.

Apple CarPlay Operation

Apple CarPlay is a smarter, safer way to use your iPhone in the car. Apple 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 Apple CarPlay, visit <https://www.apple.com/ios/carplay/>.

Compatible iPhone devices

You can use Apple CarPlay with the following iPhone models.

- iPhone 15 Pro Max
- iPhone 15 Pro
- iPhone 15 Plus
- iPhone 15
- iPhone SE(3rd generation)
- iPhone 14 Pro Max
- iPhone 14 Pro
- iPhone 14 Plus
- iPhone 14
- iPhone 13 Pro Max
- iPhone 13 Pro
- iPhone 13 mini
- iPhone 13
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12 mini
- iPhone12
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Pro
- iPhone XS
- iPhone XR
- iPhone X
- iPhone SE(2nd generation)

Connecting an iPhone

Wired connection

1 Connect your iPhone with the USB cable that matches the connector. (P.129)

When an iPhone compatible with Apple CarPlay is connected to the USB terminal, the Bluetooth Hands-Free phone currently connected is disconnected. If another Bluetooth Hands-Free phone is being used, disconnection will occur after ending the call.

2 Unlock your iPhone.

NOTE

- Depending on the iPhone connector, use a genuine Apple Lightning-USB cable or a USB-IF certified USB-C® to USB-A USB cable. If you use non-certified cable, it may not work properly.

Wireless connection

You can select the iPhone registered in [Device List] and use it as the Apple CarPlay device. See **Register the Bluetooth device (P.71)**.

NOTE

- Turn on the Bluetooth function and Wi-Fi function of an iPhone.
- If two or more iPhone have been registered, select the iPhone to be used as the [Apple CarPlay] source. See **Switch the connected device (P.72)**.
- It is necessary to connect the GPS antenna in order to use a wireless Apple CarPlay.
- When the Wi-Fi connection becomes unavailable, the HOME screen is displayed.
- You cannot use Apple CarPlay if the function is turned off by operating the iPhone at functional setup.

To switch the Current Screen to the Apple CarPlay Screen When Connecting Your iPhone

- Touch [Apple CarPlay] icon on the source selection screen. (P.19)
- or
- Touch the following connection message if the message appears.

 Apple CarPlay is connected

NOTE

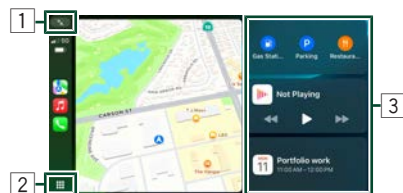
- The connection message appears when;
 - The iPhone you used previously is connected again.
 - The screen other than HOME and the source selection screen is displayed.
- The connection message is displayed for about 5 seconds.

Operation keys and available Apps on the home screen of Apple 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 Apple CarPlay mode, touch [Apple CarPlay] icon on the source selection screen.

(P.19)



Switches between Full screen and Split screen on the Apple CarPlay screen.



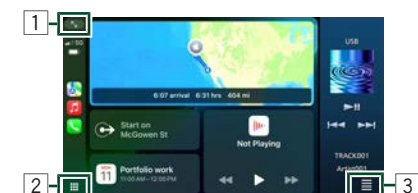
- Displays the home screen of Apple CarPlay.
- Touch and hold to activate Siri.

3 Application keys

Starts the application.

* The icon design may change depending on the iOS version.

Apple CarPlay split screen



Switches between Full screen and Split screen on the Apple CarPlay screen.



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



The source selection screen is displayed. The source can be switched while staying in the split screen mode.

* The icon design may change depending on the iOS version.

To exit the Apple CarPlay screen

KW-Z1001W/KW-Z1000AW

- 1 Press the button.

KW-Z800AW

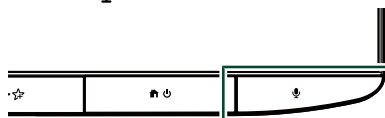
- 1 Touch .
- 2 Touch at the top of the screen.
- 3 Touch HOME on the popup menu.

Use Siri

You can activate Siri.

KW-Z1001W/KW-Z1000AW

- 1 Press the button.



- 2 Talk to Siri.

KW-Z800AW

- 1 Touch .
- 2 Touch at the top of the screen.

- 3 Touch [VOICE] on the popup menu.



- 4 Talk to Siri.

To deactivate

KW-Z1001W/KW-Z1000AW

- 1 Press the button.

KW-Z800AW

- 1 Touch .
- 2 Touch  at the top of the screen.
- 3 Touch [VOICE] on the popup menu.

Switch to the Apple CarPlay screen while listening to another source

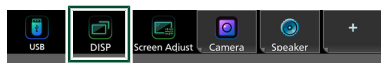
KW-Z1001W/KW-Z1000AW

- 1 Press the FNC  button.



Popup menu appears.

- 2 Touch [DISP].

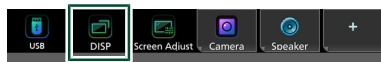


KW-Z800AW

- 1 Touch .
- 2 Touch  at the top of the screen.



- 3 Touch [DISP] on the popup menu.



NOTE

- This operation is available when [DISP Key] is set to [Mirroring] in the Key Assignment setting menu. **(P.96)**
- 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 smartphone convenient for driving. You can easily access route guidance, make calls, listen to music, and access convenient functions on the Android smartphone while driving.

For details about Android Auto, visit <https://www.android.com/auto/> and <https://support.google.com/androidauto>.

Compatible Android smartphones

Compatible Android phone and compatible active data plan required. To wirelessly use Android Auto on your car display, you need a compatible Android smartphone with an active data plan. You either need:

1. A smartphone with Android 11 or higher and 5 GHz Wi-Fi (subject to local regulations*); or
2. An Android or Samsung smartphone with Android 10; or
3. A Samsung Galaxy S8, Galaxy S8+, or Note 8, with Android 9

NOTE

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

About the placement of smartphone

Install the smartphone connected as Android Auto device in the place where it can receive the GPS signals.

When using Google Assistant, install the smartphone in the place where the smartphone easily catch a voice by the microphone.

NOTE

- Do not put the smartphone in a spot exposed to direct sunlight or near an air blowing out port of an air conditioner. The placement of the smartphone in such places can lead to malfunction or damage of your smartphone.
- Do not leave the smartphone in the vehicle.

Connect Android smartphone

Wired connection

1 Connect an Android smartphone via the USB terminal. (P.130)

To use the Hands-Free function, connect the Android smartphone via Bluetooth. When an Android smartphone 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 smartphone.

3 KW-Z1001W/KW-Z1000AW

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

4 Touch .

5 Touch [Android Auto]. (P.19)

Wireless connection

You can select the Android smartphone registered in [Device List] and use it as the Android Auto device. See **Register the Bluetooth device (P.71)**.

1 KW-Z1001W/KW-Z1000AW

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

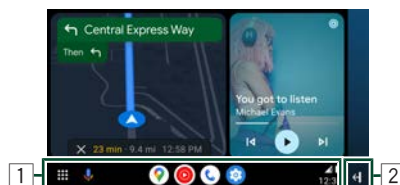
3 Touch [Android Auto]. (P.19)

NOTE

- Turn on the Bluetooth function and Wi-Fi function of Android smartphone.
- If two or more Android smartphones have been registered, select the Android smartphone to be used as the Android Auto source. See **Switch the connected device (P.72)**.
- To change the password for wireless connection manually, refer to [Reset Android Auto Wireless Connection] (P.91).
- When the Wi-Fi connection becomes unavailable, the HOME screen is displayed.

Operation keys and available Apps on the Android Auto screen

You can perform the operations of the Apps of the connected Android smartphone. The items displayed on the screen differ among the connected Android smartphones. To enter the Android Auto mode, touch the [Android Auto] icon on the source selection screen. (P.19)



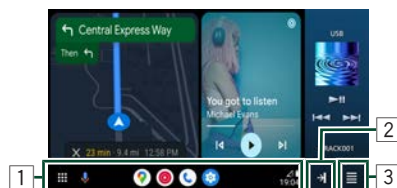
1 Navigation bar ^{*1}

Starts the application or displays information.

2 Switch screen ^{*2}

Switches between Full screen and Split screen on the Android Auto screen.

Android Auto split screen



1 Navigation bar ^{*1}

Starts the application or displays information.

2 Switch screen ^{*2}

Switches between Full screen and Split screen on the Android Auto screen.

3

The source selection screen is displayed.
The source can be switched while staying in the split screen mode.

- *1 The icon design may change depending on the Android OS version.
- *2 To switch to Split screen, set [Android Auto Screen Size Switching] to on. (P.94)

NOTE

- The  will be on the left or right depending on the drive position settings. (P.94)
- The items displayed and the language used on the screen differ among the connected devices.

To exit the Android Auto screen

KW-Z1001W/KW-Z1000AW

- 1 Press the  button.

KW-Z800AW

- 1 Touch .
- 2 Touch  at the top of the screen.
- 3 Touch  HOME on the popup menu.

KW-Z800AW : For remote control

- 1 Press the [FNC] button on the remote control.
- 2 Touch  HOME on the popup menu.

Using voice control

KW-Z1001W/KW-Z1000AW

- 1 Press the  button.



- 2 Start speaking.

KW-Z800AW

- 1 Touch .
- 2 Touch  at the top of the screen.



- 3 Touch [VOICE] on the popup menu.



- 4 Start speaking.

KW-Z800AW : For remote control

- 1 Press the  button on the remote control.
- 2 Start speaking.

NOTE

- When you press and hold the [VOICE] button while inputting voice, you can start over from the beginning.
- To switch to Split screen, set [Android Auto Screen Size Switching] to on. (P.94)
- The  will be on the left or right depending on the drive position settings. (P.94)

To cancel

KW-Z1001W/KW-Z1000AW

- 1 Press the  button.

KW-Z800AW

- 1 Touch .
- 2 Touch  at the top of the screen.
- 3 Touch [VOICE] on the popup menu.

KW-Z800AW : For remote control

- 1 Press the  button on the remote control.

Switch to the Android Auto screen while listening to another source

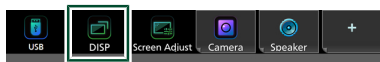
KW-Z1001W/KW-Z1000AW

- 1 Press the **FNC**  button.



Popup menu appears.

- 2 Touch **[DISP]**.



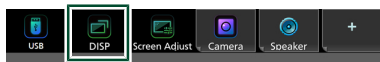
KW-Z800AW

- 1 Touch .

- 2 Touch  at the top of the screen.



- 3 Touch **[DISP]** on the popup menu.



KW-Z800AW : For remote control

- 1 Press the **[FNC]** button on the remote control.
- 2 Touch **[DISP]** on the popup menu.

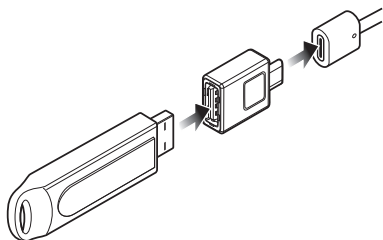
NOTE

- This operation is available when [DISP Key] is set to [Mirroring] in the Key Assignment setting menu. **(P.96)**
- 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.

USB

Connecting a USB device

- 1 Connect the USB device with the USB cable. (P.130)



- 2 **KW-Z1001W/KW-Z1000AW**

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

- 3 Touch .

- 4 Touch [USB]. (P.19)

Disconnect the USB device

- 1 **KW-Z1001W/KW-Z1000AW**

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

- 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

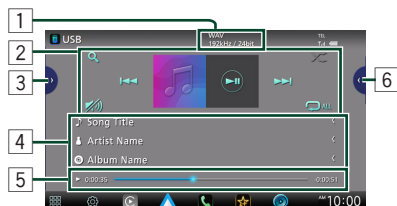
NOTE

- 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.

USB Basic Operation

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

Control screen



Open the drawer



1 CODEC

When a high-resolution source is played, its format information is displayed.

2 Operation keys

- : Searches track/file. For details on search operation, see **Search Operation (P.36)**.
- : Searches 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.
- : Touch to attenuate/restore the sound.

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

3 Content list

- Touch the left 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.

4 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.

5 Play mode indicator/Playing time

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



6 Function panel

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

: Searches for the previous/next folder.

7 Artwork

The jacket of the currently playing file is displayed.

Video screen



8 File search area (Video file only)

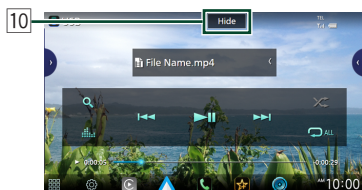
Touch to search for the next/previous file.

9 Key display area (Video file only)

Touch to display the control screen.

Control screen

Video file



10 Hide (Video file only)

Hides 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.22)**.

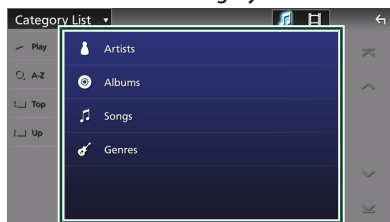
Category search

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.



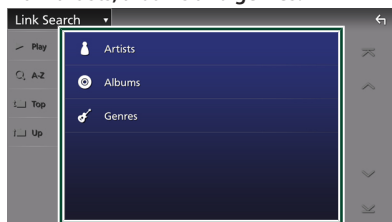
The list corresponding to your selection appears.

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

Link search (Audio file only)

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.



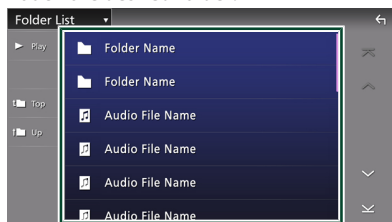
The list corresponding to your selection appears.

- 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.

iPhone

Preparation

Connectable iPhone

The following models can be connected to this unit.

Made for

- iPhone 15 Pro Max
- iPhone 15 Pro
- iPhone 15 Plus
- iPhone 15
- iPhone SE(3rd generation)
- iPhone 14 Pro Max
- iPhone 14 Pro
- iPhone 14 Plus
- iPhone 14
- iPhone 13 Pro Max
- iPhone 13 Pro
- iPhone 13 mini
- iPhone 13
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12 mini
- iPhone12
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Pro
- iPhone XS
- iPhone XR
- iPhone X
- iPhone SE(2nd generation)

NOTE

- By connecting your iPhone to this unit with the USB cable, you can supply power to your 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 iPhone, the music that has been played by the iPhone is played first.

Connect iPhone

Wired connection

Preparation

- Connect an iPhone with the USB cable while Apple CarPlay is not connected.
- With an iPhone compatible with Apple CarPlay, turn off Apple CarPlay by operating the iPhone at functional setup before connecting iPhone. For details of the setup method, contact the manufacturer of the terminal.
- Only one iPhone can be connected.
- Depending on the iPhone connector, use a genuine Apple Lightning-USB cable or a USB-IF certified USB-C® to USB-A USB cable. If you use non-certified cable, it may not work properly.

1 Connect your iPhone with the USB cable that matches the connector. (P.129)

2 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the pop up menu.
HOME screen appears.

3 Touch .

4 Touch [iPhone]. (P.19)

● To disconnect the iPhone connected with the cable:

1 Detach the 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.71)** and **Switch the connected device (P.72)**.
- Connect an iPhone via Bluetooth while Apple CarPlay and an iPhone are not connected via USB.
- With an iPhone compatible with Apple CarPlay, turn off Apple CarPlay by operating the iPhone at functional setup before connecting iPhone. For details of the setup method, contact the manufacturer of the terminal.

● Select the method of making connections for outputting sound from the iPhone source

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Connection & AV].

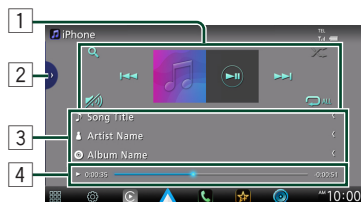
Connection & AV setting menu appears.

5 Touch [iPhone Bluetooth Connection].

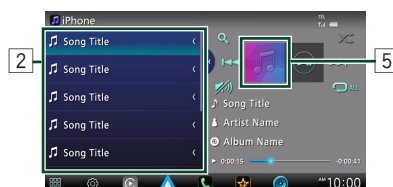
- [Bluetooth]** (Default): Output sound using a Bluetooth device.
- [Bluetooth+HDMI]**: Output sound using an HDMI device and perform music selection, etc. using a Bluetooth device.

iPhone Basic Operation

Control screen



Open the drawer



1 Operation keys

-  : 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.
-  : Touch to attenuate/restore the sound.
-  : 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 ()

2 Content list

- Touch the left 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.

NOTE

- The Content list is not displayed unless you select a file from the category list and play it. To use the category list, see **Search Operation (P.40)**.

3 Track information

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

4 Play mode indicator/Playing time

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



5 Artwork

The jacket of the currently being played file is displayed.

Search Operation

You can search music files by the following operations.

1 Touch Q.

2 Touch ▼.



3 Select a list type.



NOTE

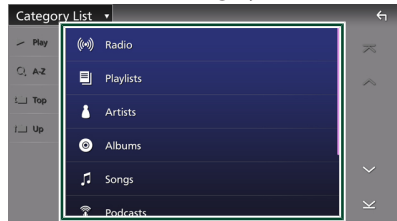
- For operations on the list screen, see **List screen (P.22)**.

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.

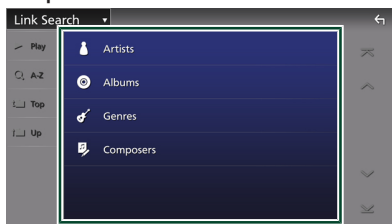
3 Touch to select the desired item in the list. Repeat this step until you find the desired file.

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.

HD Radio™ Tuner

HD Radio Tuner Basic Operation

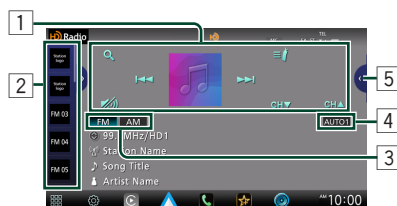
Most functions can be controlled from the source control screen.

To listen to the HD Radio source, touch [HD Radio] icon on the source selection screen. (P.19)

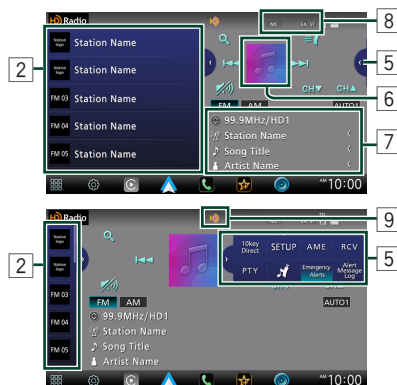
NOTE

- HD Radio broadcasting is for North American sales area only.

Control screen



Open the drawer



1 Operation keys

- [◀▶] [▶▶] : Tunes in a station. The method of switching frequencies can be changed (see 4 Seek mode).
- [CH▼] [CH▲] : Selects a channel.
- [Q] : Display the Channel List screen. See **Channel search (P.45)**.

- [🔍] : Display a list of registered bookmarks. See **Bookmark list (P.46)**.
- [🔊] : Touch to attenuate/restore the sound.

2 Preset list

- Touching [◀] [▶] allows you to change the display size.
- Recalls the memorized station or channel.
- When touched for 2 seconds, stores the currently being received station or channel in the memory.

3 Band keys

Switches bands (between FM and AM).

4 Seek mode

Touch to switch seek mode 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.

5 Function panel

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

- [10key Direct]: Display the direct station/channel search screen. For details, see **Direct search (P.45)**.
- [SETUP] (FM only): Displays the TUNER SETUP screen. For details, see **Tuner Setup (P.48)**.
- [AME]: Presets stations automatically. For details, see **Auto memory (P.44)**.
- [RCV]: Change the HD Radio reception mode. For details, see **Receive Mode (P.44)**.
- [PTY] (FM only): Searches for a program by program type. For details, see **Search by program type (P.45)**.
- [🔍] : Stores the information about the song being received. See **Bookmark registration (P.46)**.

- [Emergency Alerts] : Turn on or off the alert message. See **HD Radio Alert Messages (P.23)**.
- [Alert Message Log] : Displays the alert message received. See **Display of the received Alert Message (P.23)**.

6 Picture

The picture data or station Logo data is displayed if available from current content.

7 Information display

Displays the information on the current station: Frequency and Channel

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

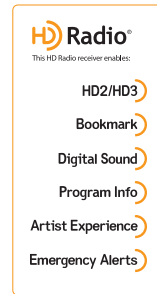
- Content A: Station name, Song Title, Artist Name
- Content B: Station Message, HD Radio Text
- Content C: PTY Genre, Album Name

8 Indicator Items

- "MC": A multicast digital broadcast is being received.
- "EA":
 - White: Emergency Alert is on.
 - No light: Emergency Alert is off.
 - Orange: Interrupting or in snooze/ignore state.
- "ST": A stereo broadcast is being received.

9 Indicator display

While receiving an HD Radio station, it lights with orange when the audio is digital and lights with gray when it is analog. While receiving an analog station, it is off.



HD2/HD3

Adjacent to traditional main stations are HD2/HD3 Channels, providing new original programming on the FM dial

Bookmark

A music & product discovery feature that enables users to store information about content on the HD Radio, and can deliver interactive information via QR codes

Digital Sound

Crystal clear, CD-like digital audio quality to consumers; eliminates background noise

Program Info

Provides song name, artist, station ID, and other relevant data to enrich the listening experience

Artist Experience

Visual images, such as album art of over-the-air broadcasts from HD Radio stations

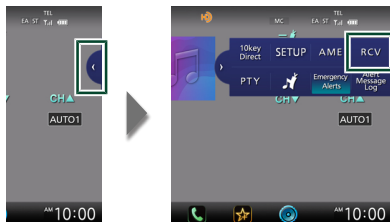
Emergency Alerts

Delivers critical and life-saving messages to the public during emergency situations

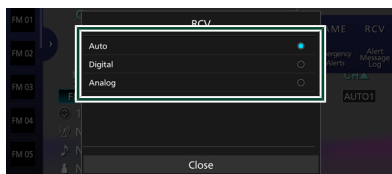
Receive Mode

You can set the HD Radio broadcasts receive mode.

- 1 Touch **[K]** on the right side of the screen. Touch **[RCV]**.



- 2 Select a receive mode.



■ [Auto]

Switch between digital and analog audio automatically.

■ [Digital]

Select this to tune to digital audio only.

■ [Analog]

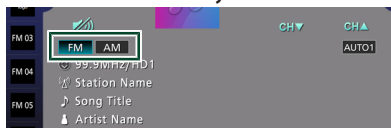
Select this to tune to analog audio only.

Memory Operation

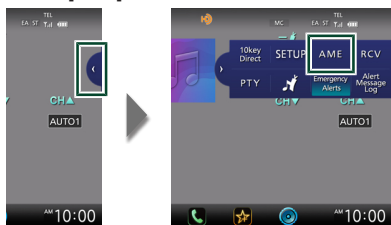
■ Auto memory

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

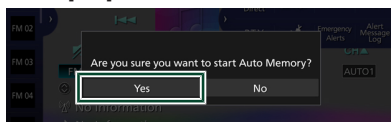
- 1 Touch desired band key.



- 2 Touch **[K]** on the right side of the screen. Touch **[AME]**.



- 3 Touch **[Yes]**.



Auto memory starts.

■ Manual memory

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

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

Selecting Operation

Preset select

You can list and select memorized stations or channels.

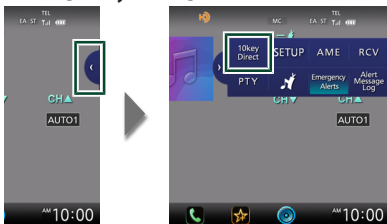
- 1 Touch  on the left side of the screen. Select a station or channel from the list.



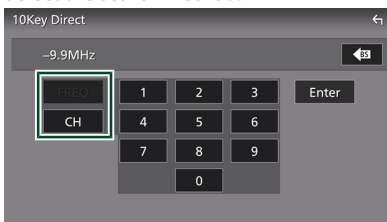
Direct search

You can tune in by entering the desired frequency or channel number.

- 1 Touch  on the right side of the screen. Touch [10key Direct].



- 2 Select the search method.



- 3 Enter the frequency or channel number.
- 4 Touch [Enter].

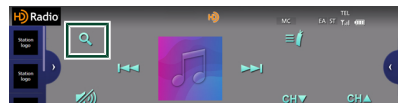
NOTE

- To clear the number you entered, touch [BS].

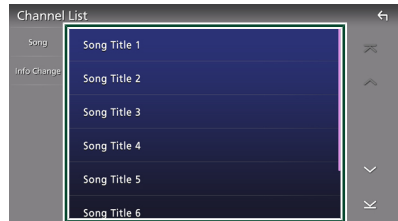
Channel search

You can specify the desired channel.

- 1 Touch [Q].



- 2 Select the desired content from the list.



NOTE

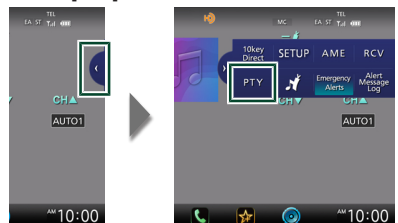
- Touch [Info Change] in the channel list. Select the sequence of the list (Song title, artist name, album name).

Search by program type

(FM only)

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

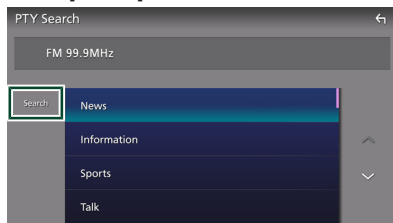
- 1 Touch  on the right side of the screen. Touch [PTY].



TUNER PTY Mode 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.

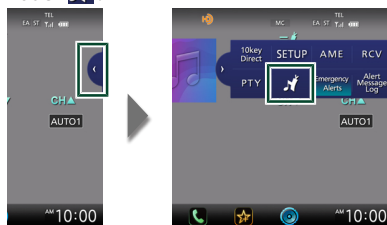
Bookmark

Stores tag information (title, artist, album, URL, and description) about the song you are listening to now.

Detailed information and QR codes can be displayed according to the stored tag information.

Bookmark registration

- 1 Touch  on the right side of the screen.
Touch .



Registers a bookmark.

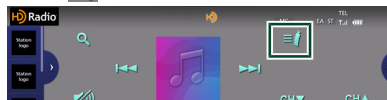
NOTE

- Up to 100 bookmarks can be registered to this unit.

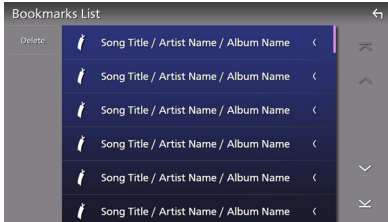
Bookmark list

Displaying a list of registered bookmarks and detailed information and QR code of the song.

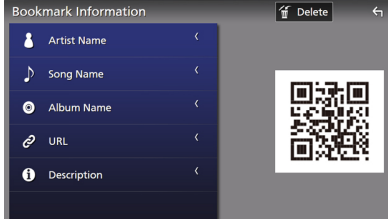
- 1 Touch .



2 Select the desired bookmark from the list.



The bookmark information appears.



■ [Delete]

Deletes the bookmarks being displayed.
Touch [Delete] and then touch [YES] on the confirmation screen.

■ [All]

Erases all check marks.

3 Touch [Delete].

Confirmation message appears.

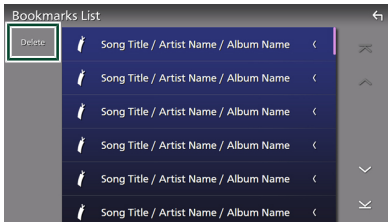
4 Touch [Yes].

All the selected bookmark(s) is deleted.

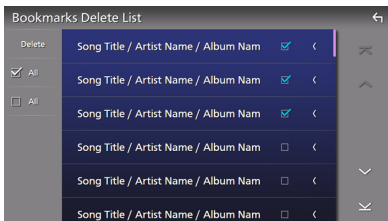
Bookmark delete

Deleting a bookmark.

1 Touch [Delete].



2 Select the bookmark to delete from the list.



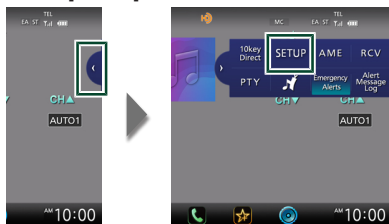
■ [All]

Select all bookmarks.

Tuner Setup

You can set tuner related parameters.

- 1 Touch  on the right side of the screen. Touch [SETUP].



Tuner SETUP screen appears.

- 2 Set each function as follows.

■ [Area Setting]

The tuner channel interval changes depending on the area where you use this unit.

- **[North America]** (Default): Select this when using this unit in North/Central/South America. FM and AM intervals are set to 200 kHz and 10 kHz respectively.
- **[South America]**: Select this when using this unit in South American countries where the FM interval is 50 kHz. The AM interval is set to 10 kHz.
- **[Europe]**: Select this when using this unit in any other areas. FM and AM intervals are set to 50 kHz and 9 kHz respectively.

SiriusXM® with 360L

About SiriusXM®

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

Preparation

- To use SiriusXM® Satellite Radio, SXV300 tuner (G2) (sold separately) is necessary.

Activating subscription

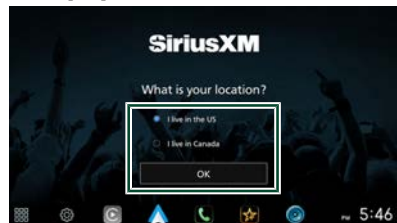
- Check your Radio ID.
The SiriusXM Satellite Radio ID is required for activation and can be found by tuning in Channel 0 as well as on the label found on the SiriusXM Connect tuner and its package.
The Radio ID does not include the letters I, O, S or F.
- Activate the SiriusXM Connect Vehicle Tuner using either one of the two methods below:
 - For users in U.S.A.
Online: Visit <https://www.siriusxm.com/activatenow>
Phone: Call SiriusXM Listener Care at 1-866-635-2349
 - For users in Canada:
Online: Visit <https://www.siriusxm.ca/help/activation-help/>
Phone: Call XM customer Care at 1-877-438-9677

Initial settings

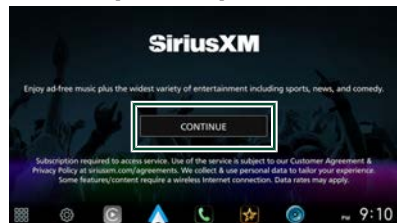
Turning on SiriusXM® for the first time

You must select the area in which SiriusXM® is to be used and receive approval for using the service.

- 1 Select your location (US or Canada), then touch [OK].



- 2 Check the SiriusXM usage agreement, then touch [CONTINUE].



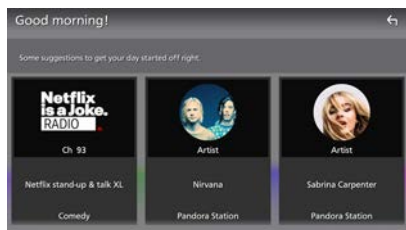
This completes approval.

NOTE

- To change the location selection, you must reset the system by using [Initialize] in the System Setup. After resetting, make the settings on the SiriusXM source's initial settings screen. (P.95)

Start Up Recommendations

When connected to the internet, recommendations are displayed approximately twice per day when the SiriusXM source is powered on.



NOTE

- Start Up Recommendations are not displayed when the device is not connected to the internet.
- This screen may also be displayed other than the first time SiriusXM is started up.
- To stop it from being displayed, set the StartUp Recommendation setting at Listener Settings to OFF. **(P.65)**

Connecting to the Internet

In addition to music, sports and talk shows by satellite, by connecting to the Internet (using a smartphone), you can listen to podcasts, Pandora stations and other streaming channels, and also register favorites and get notifications. To use the Internet, the receiver and smartphone are connected by Wi-Fi.

Connecting to the Internet

- 1 KW-Z1001W/KW-Z1000AW**
Press the button.
KW-Z800AW
Touch at the top of the screen.
Touch HOME on the popup menu.
HOME screen appears.
- 2** Touch .
- 3** Touch [SETUP].
SETUP Menu screen appears.
- 4** Touch [Connection & AV].
Connection & AV setting menu appears.

- 5** Touch [360L IP Connection] and set it to "ON".



NOTE

- When [360L IP Connection] is set to "ON", Apple CarPlay, Android Auto and Wireless Mirroring cannot be used.
To use Apple CarPlay, Android Auto and Wireless Mirroring, set [360L IP Connection] to "OFF".

Registering the Wi-Fi access point

NOTE

- Wi-Fi access points can be registered when [360L IP Connection] is set to ON. **(P.50)**

- 1 KW-Z1001W/KW-Z1000AW**
Press the button.
KW-Z800AW
Touch at the top of the screen.
Touch HOME on the popup menu.
HOME screen appears.
- 2** Touch .
- 3** Touch [SETUP].
SETUP Menu screen appears.
- 4** Touch [Connection & AV].
Connection & AV setting menu appears.
- 5** Touch [Wi-Fi].



- 6** Select the smartphone you want to connect from the Access Point List.



- 7** Enter your password.



➡ is displayed when the Wi-Fi connection with the selected smartphone is completed.



The SSID for the Wi-Fi connection will appear on the SETUP screen.



SiriusXM® Basic Operation

To listen to the SiriusXM source, touch the [SiriusXM] icon on the source selection screen. (P.19)

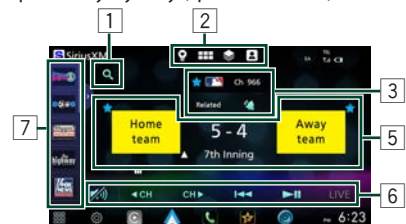
Satellite broadcasts

Control screen

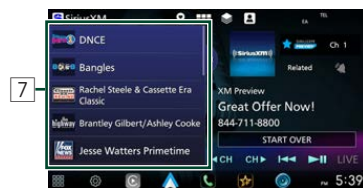
- Live broadcasts (music and talk channels)



- Sports Play-by-Play (sports channels)



Open the drawer



1 Search

Use this to search for channels, Pandora stations and podcast shows using voice command. (P.59)

2

- : For You
A list of recommended channels for the currently selected listener profile can be displayed. (P.56)
- : Categories
Tunes in channels by category. (P.57)

-  : My Collection
Displays the list of favorites. (P.58)
-  : Profiles & Settings
Make SiriusXM-related settings, such as registering and setting listener profiles, purchase procedures, etc. (P.62)

3 Channel display & Related, Set Notifications

- Displays the information on the current Channel Logo, Channel Number.
Touch and hold the channel logo to register or delete SiriusXM Favorites.
★ is displayed next to the channel logos registered in your favorites.
- [Related]: Searches for other contents related to the channel you are currently listening to. (P.60)
-  : Make the notifications settings for the track, artist or team you are currently listening to. (P.61) (P.62)

4 Information Display (Live Broadcast)

- Displays the album artwork for most SiriusXM music channels.
- Displays the Show Name/Artist Name/Track Name.

5 Information Display (Sports Play-by-Play)

- Displays information about the game currently being broadcast.
- [Team Logo], [Team Name]: Touch to switch the channel to the play-by-play for the home or away team.
-  : Indicates the currently set play-by-play team.
- ● : For NFL and NCAA football games, indicates the currently offensive team. (for supported broadcasts)
- ▲, ▼ : For MLB games, these indicate the top half ▲ or bottom half ▼ of the inning. (for supported broadcasts)

6 Operation keys

- [◀CH], [CH▶]: Selects a channel, and displays the Linear Tuner screen. (P.55)
- [▶II]: Plays or pauses.

- [◀◀], [▶▶]: Time-shifts to the next usable track/segment. *1
When touched and held, time-shifts to the beginning of the buffer.
-  : Touch to attenuate/restore the sound.

7 Preset List

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

*1 Only when activating the subscription.

Streaming contents

When connected to the Internet, you can listen to podcasts, Pandora stations and other streaming contents.

Control screen

● Podcast



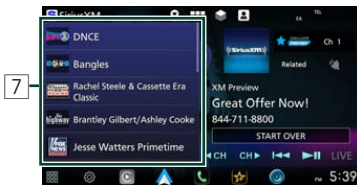
● Pandora Station



● Xtra Channel



Open the drawer



1 Search

- Use this to search for channels, Pandora stations and podcast shows using voice command. (P.59)

2

- : For You
A list of recommended channels for the currently selected listener profile can be displayed. (P.56)
- : Categories
Tunes in channels by category. (P.57)
- : My Collection
Displays the list of favorites. (P.58)
- : Profiles & Settings
Make SiriusXM-related settings, such as registering and setting listener profiles, purchase procedures, etc. (P.62)

3 Channel display & Related, Set Notifications

- Displays the information on the current Content Logo, Content Type Indicator.
- [Related]: Searches for other contents related to the contents you are currently listening to. (P.60) (Pandora Station, Xtra Channel only)
- [Episode]: Displays a list of all the podcast episodes related to the podcast show you are currently listening to. (P.60) (Podcast only)

4 Information Display

- Displays artwork area. (Pandora Station, Xtra Channel only)
- Displays the Show Name/Artist Name/Track Name.

5 Operation keys (Podcast, Xtra Channel)

- : Pauses/resumes the audio stream. *1
- , : Time-shifts to the next usable track/segment.
When touched and held, time-shifts to the beginning of the buffer.
- : Touch to attenuate/restore the sound.

6 Operation keys (Pandora Station)

- : Pauses/resumes the audio stream. *1
- : Time-shifts to the next usable track/segment. *1
When touched and held, time-shifts to the beginning of the buffer.
- : Touch to attenuate/restore the sound.

7 Preset List

- Use this function to tune in registered preset channels with one action or to preset the currently playing channel. (P.54)

*1 Only when activating the subscription.

Storing Channels in Preset Memory

The current channel or team can be stored in the preset memory.

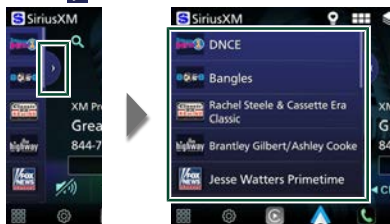
NOTE

- The preset is overwritten.
- A maximum of 15 items can be preset.

● Live Broadcast

1 Tune in to the channel you wish to store in the memory.

2 Touch  on the left side of the screen.

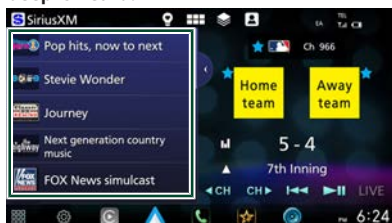


3 Touch any preset list for 2 seconds until a beep is heard.

● Sports Play-by-Play

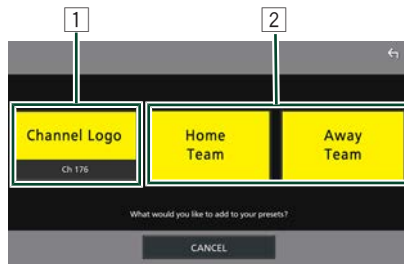
1 Touch  on the left side of the screen.

2 Touch any preset list for 2 seconds until a beep is heard.



3 Touch the channel or team you want to register.

For satellite broadcasts



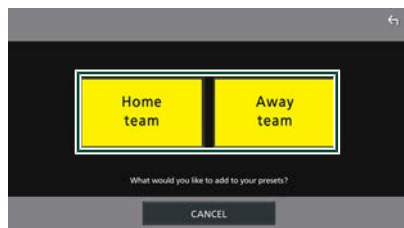
1 Channel tile

The currently broadcasting sports channel is registered in the presets.

2 Away/Home Team tile

Touch the home team or away team you want to register in the presets.

For streaming contents



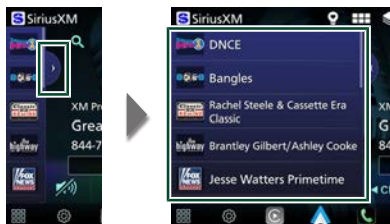
Touch the home team or away team you want to register in the presets.

Selecting Operation

Preset select

You can list and select memorized channels.

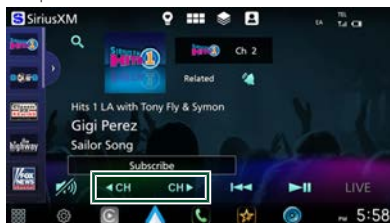
- 1 Touch  on the left side of the screen. Select a channel from the list.



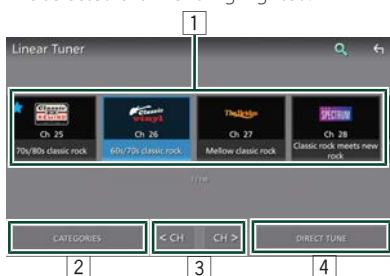
Linear Tuner

You can tune in a channel.

- 1 Touch [CH]/[CH]. The Linear Tuner screen is displayed. Select the previous or the next channel.



The selected channel is highlighted.



Channel tile

- Touch a channel to select it and return to the control screen.
- When touched and held, the channel is registered as an SXM Favorite.

[CATEGORIES]

A list of recommended channels for the currently selected listener profile is displayed.

[<CH]/[CH>]

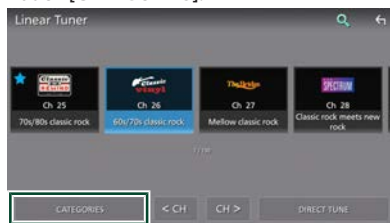
- Touch to move the highlighted channel.
- Touch and hold to scroll through the channels.

DIRECT TUNE

Display the Direct Tune screen. (P.55)

Switching the channel list display

- 1 Touch [CATEGORIES].



The Categories Filter button is displayed at the bottom of the screen.

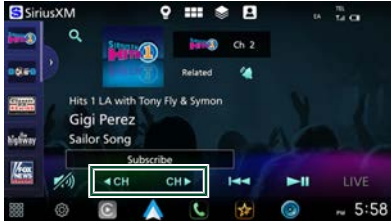
- 2 Touch the desired button to specify the category of the displayed channel list.



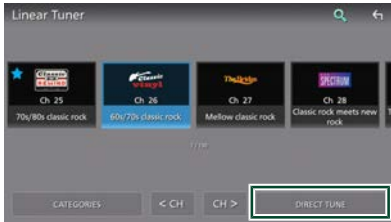
Direct search

You can tune in a channel directly.

1 Touch[◀CH]/[CH▶].



2 Touch [DIRECT TUNE] on the Linear Tuner screen.



3 Enter the channel number and touch [GO].



1 Channel logo

Touch and hold to register the channel as an SXM Favorite.

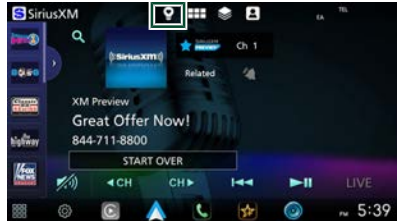
2 [◀CH]/[CH▶]

Select a channel.

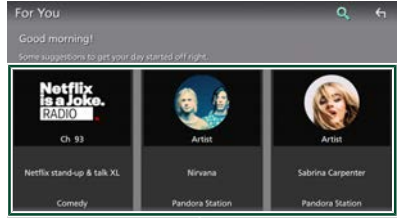
For You

A list of recommended channels for the currently selected listener profile can be displayed

1 Touch .



2 Touch one of the channels on the screen to start tuning in the selected channel.



NOTE

- Touch and hold the channel to register it in or delete it from your SiriusXM Favorites. When registered, ★ is displayed at the channel tile.
- Swipe the screen to switch the displayed channels.

Categories

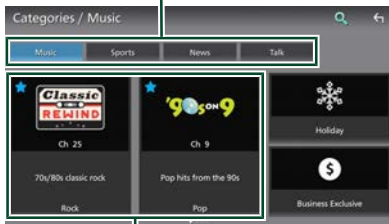
Tuning in channels by category

1 Touch .



2 Use the super category tabs to select the desired genre.

Super Category Tab



Spotlight Recommendation

NOTE

- The display changes according to the selected genre.
- Spotlight Recommendation
 - Recommended channels are displayed here (maximum of 2)
 - Touch and hold to register in or delete from your SiriusXM favorites. When registered, ★ is displayed at the channel tile.

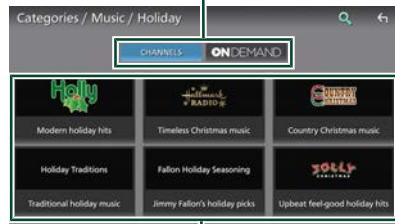
3 Use the category tiles to select the desired genre.



A list of channels is displayed.

4 Touch a channel title to start tuning in the selected channel.

CHANNEL/PODCASTS Tab



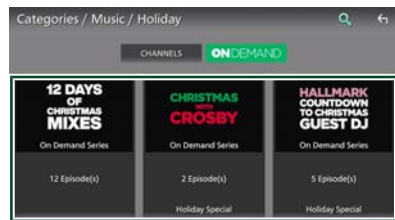
List of channels

NOTE

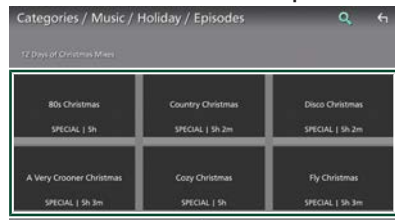
- Touch and hold a channel to register it in or delete it from your SiriusXM favorites. When registered, ★ is displayed at the channel tile.
- CHANNEL/PODCASTS Tab
 - When [ONDEMAND] is selected, a list of podcast shows is displayed.
 - When [CHANNELS] is selected, a list of channels is displayed.

List of podcast shows

1 Touch a channel.



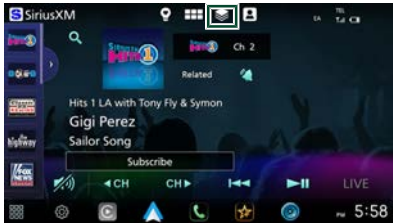
2 The list of episodes for the podcast shows is displayed. When the desired episode is touched, the screen switches to the control screen for the selected podcast.



My Collection

Displays the list of favorites.

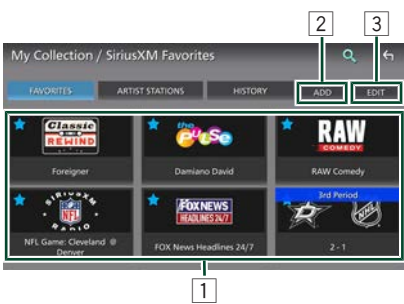
1 Touch .



2 Touch the tab for the list you want to display.



SXM FAVORITES



1 Favorite Tile

When touched, the monitor starts tuning in the selected favorite content.

2 [ADD]

The currently playing channel, podcast show or Pandora station is added to your SiriusXM favorites

3 [EDIT]

Switches to the SXM FAVORITES edit mode.

SXM FAVORITES Edit Mode



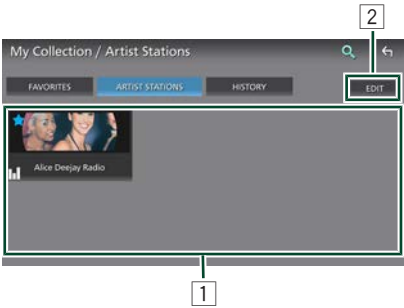
1 Delete button

When touched, a message for confirming you want to delete appears.

2 Rearrange button

Switches to the Drag & Drop Rearrange mode. In the Drag & Drop Rearrange mode, the displayed channels can be dragged & dropped to rearrange their positions in the list.

ARTIST STATION



1 Favorite Tile

When touched, the monitor starts tuning in the selected Pandora station.

2 [EDIT]

Switches to the Edit mode.

When in the Edit mode, a message for confirming you want to delete appears when the [DELETE] is touched.

HISTORY



1 Favorite Tile

When touched, the monitor starts tuning in the selected listening history content.
When touched and held, the selected listening history content is added to or deleted from your favorites.

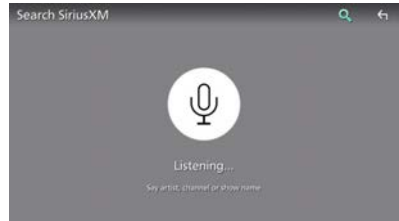
SiriusXM Search

Using voice command to search for channels, Pandora stations or podcast shows.

1 Touch .



2 The Listening State screen appears, and the monitor is set to standby for voice commands.



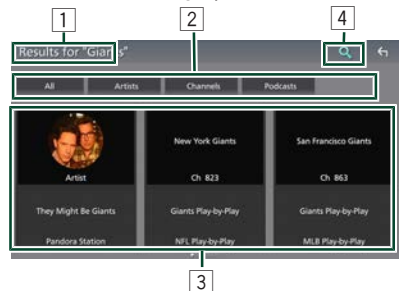
3 Start speaking.

Refer to the link for the voice commands that can be used. (P.69)

NOTE

- Say the term you want to search for.
- Searching is performed, and once the results are loaded the search results screen appears.

4 Once searching is completed, the search results screen is displayed.



1 Search Term Spoken

The searched term is reflected on the title of the screen.

2 Search Result Filter Buttons

Filter buttons are displayed according to the search results.

Ex.: If there are not podcasts in the search results, the Podcast filter button is not displayed.

The default folder button is "ALL".

3 Search Result Tile

When touched, the control screen for the selected content is displayed.

When touched and held, the content is added to or deleted from your favorites.

Three long tiles are displayed per page.

4 Search Button

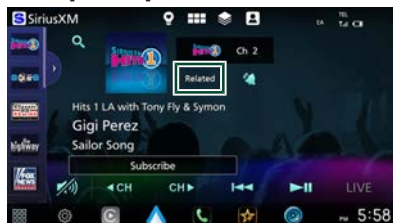
The monitor switches to the voice command standby mode.

Related Content

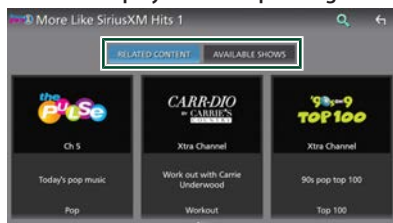
Quickly searching for other contents related to the channel you are currently listening to

● For contents other than podcasts

1 Touch [Related].



2 Touch one of the buttons at the top of the screen to display the corresponding list.



■ RELATED CONTENT

A list of recommended contents related to the channel the user is currently listening to is displayed.

■ AVAILABLE SHOWS

A list of recommended contents related to the channel the user is listening to is displayed.

When a podcast show tile is touched, the list of episodes of that podcast show is displayed.

● For podcasts

1 Touch [Episodes].



- 2** Touch one of the buttons at the top of the screen to display the corresponding list.



■ EPISODES

A list of all the available episodes of the podcast show the user is currently listening to is displayed.

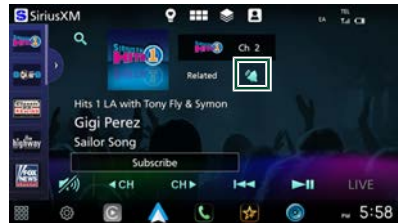
■ RELATED CONTENT

A list of recommended contents related to the podcast the user is currently listening to is displayed.

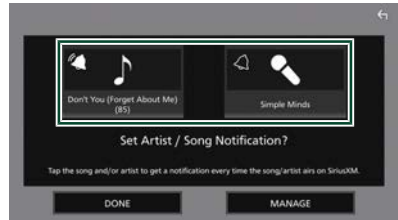
Set Artist & Song Notification

Setting notifications for songs and artists from the control screen. Only satellite contents can be used.

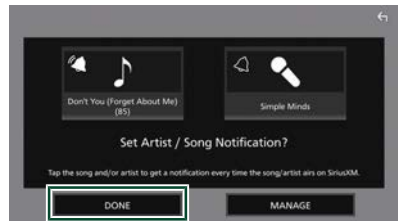
- 1** Touch .



- 2** Touch the song or artist tile to turn notifications on or off.



- 3** Touch [DONE] to check the setting, then return to the control screen.



NOTE

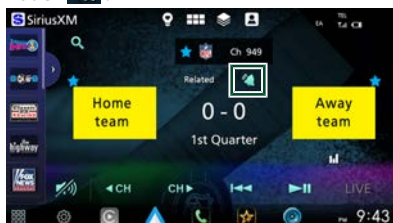
- Touch [MANAGE] to display the Manage Notifications screen.
- Depending on the content you are currently listening to, it may happen that only the artist or only the song is displayed.

Set Team Notification

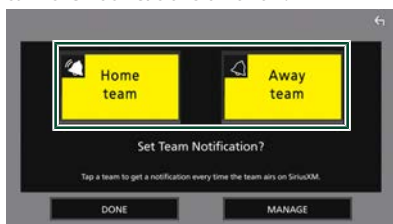
Setting notifications for the sports team whose game is currently being broadcast from the control screen.

Only satellite contents can be used.

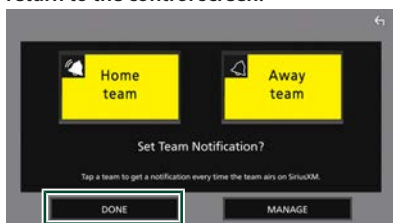
1 Touch .



2 Touch the away team or home team tile to turn the notifications on or off.



3 Touch [DONE] to enter the setting and return to the control screen.



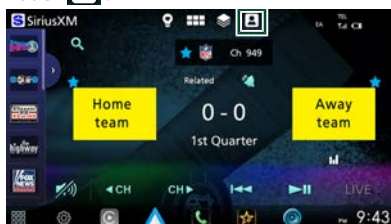
NOTE

- Touch [MANAGE] to display the Manage Notifications screen.

Profiles & Settings

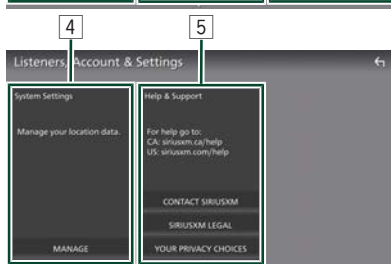
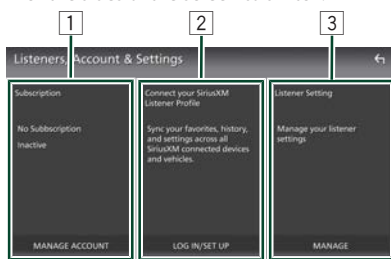
Making SiriusXM-related settings, such as registering and setting listener profiles, purchase procedures, etc.

1 Touch .



2 The main settings menu is displayed.

Click the sides of the screen to switch.



1 Subscription

Use this function to make and manage subscriptions. **(P.63)**

2 Connect your SiriusXM Listener Profile

Use this to manage listener profiles (add and delete) and perform log-in procedures. **(P.63)**
Add listener profiles, or after logging in switch listener profiles. **(P.64)**

3 Listener Settings

Use this to make settings related to listener profiles. (P.65)

4 System Settings

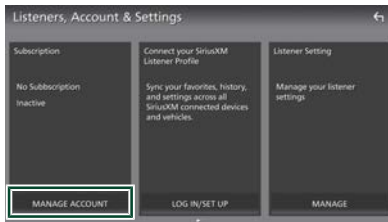
Use these for example to set whether to allow location information data to be sent to SiriusXM and to display the radio ID, the SiriusXM application version, etc. (P.67)

5 Help & Support

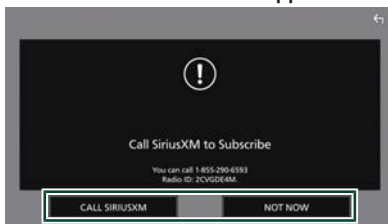
Use this to display the radio ID, to display the telephone number and to call the SiriusXM customer center and to call (BT HFP connection), and to display SiriusXM legal information, etc. (P.67)

Subscription

1 Touch [SUBSCRIBE] on the main menu.



2 The subscribe modal screen appears.



■ CALL SIRIUSXM

Use this to call SiriusXM.

- You must have a BT HFP connection.
- The telephone number differs in the US and CANADA (the number displayed is the one for the country selected on the initial settings screen.)

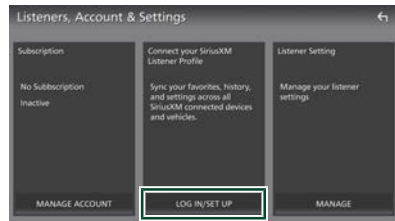
■ NOT NOW

Cancels the subscription procedure.

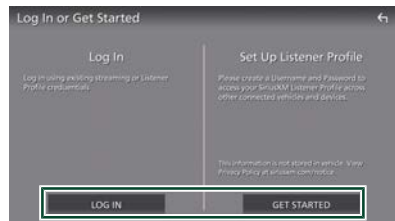
Connect your SiriusXM Listener Profile

Log-in procedure

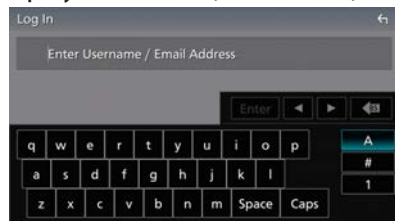
1 Touch [LOG IN/SET UP] on the main menu.



2 The subscribe modal screen appears. Touch [LOG IN] or [GET STARTED].



3 Input your user name (e-mail address).



4 Enter your password.

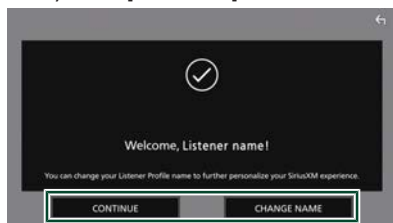


NOTE

- A warning is displayed if your username or password is not recognized.
 - Try Again : The input screen reappears
 - Call : Call SiriusXM.
- A warning is displayed if the password does not conform to policy. Check the password then re-enter it.
- Touch [Password Policy] on the screen to display the password policy.

5 Touch [CHANGE NAME] to change the listener name.

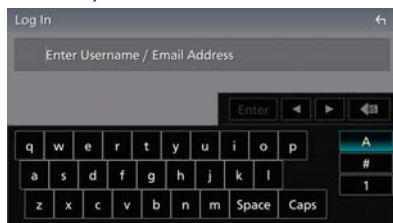
If not, Touch [CONTINUE].



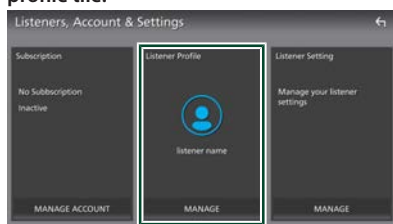
NOTE

- If you Touch CONTINUE, the default avatar and the start of the e-mail address before the “@” is reflected on the profile, and the procedure skips ahead to step 7.

6 Enter the listener name. (This is only displayed if [CHANGE NAME] was Touched.)



7 The listener name is reflected on the profile tile.

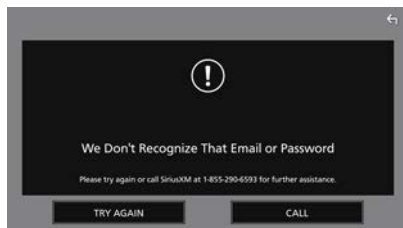


NOTE

- The default avatar and the changed listener name are displayed.

■ Warning message

The user name or password was not recognized.

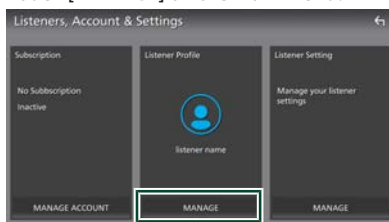


■ Password policy screen

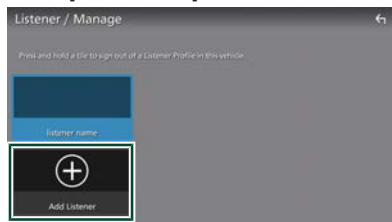


When logged in
To add a profile

- 1 Touch [MANAGE] on the main menu.



2 Touch [Add Listener].

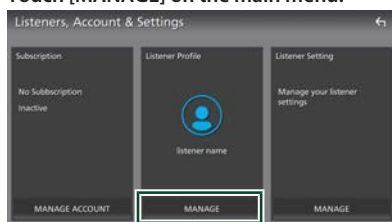


3 Touch [LOG IN] or [GET STARTED] to add a profile.

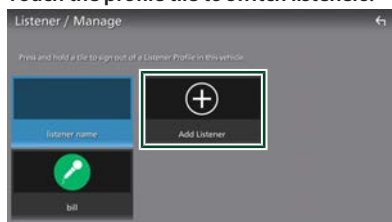


When logged in
To switch profiles (when multiple profiles are registered)

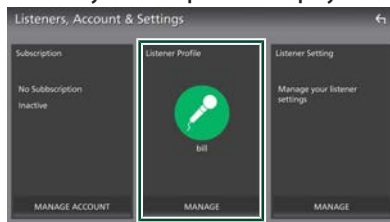
1 Touch [MANAGE] on the main menu.



2 Touch the profile tile to switch listeners.



3 The newly selected profile is displayed.

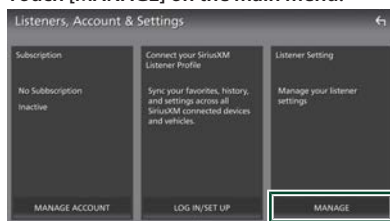


NOTE

- Touch and hold the avatar tile to sign out and switch screens.

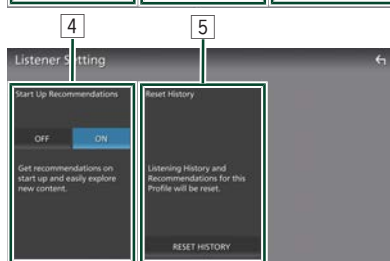
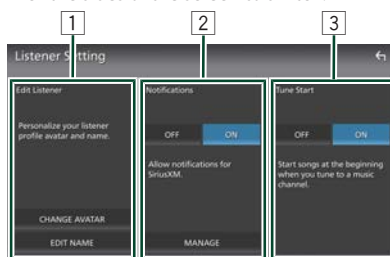
Listener Settings

1 Touch [MANAGE] on the main menu.



2 The setting items are displayed.

Click the sides of the screen to switch.



1 Edit Listener

Use this to change the listener profile's avatar icon and to edit the user name. (P.66)

2 Notifications

Use this to turn song/artist and team notifications on and off and to manage (add or delete) them. (P.66)

3 Tune Start

Set whether to enable or disable automatic starting from the beginning of the song or news program when you tune in (Tune Start function)

4 Start Up Recommendations

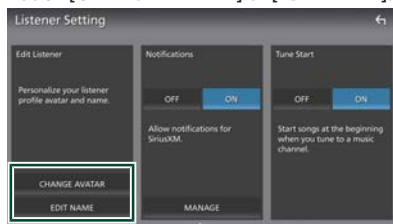
Set whether or not to display start-up recommendations when switching to a SiriusXM source. (P.49)

5 Reset History

Resets the listening history. Touch [RESET HISTORY] to start the resetting operation.

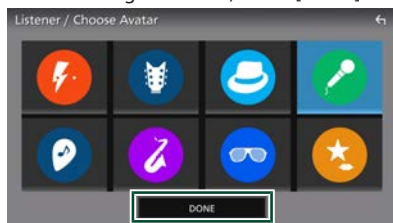
Edit Listener

1 Touch [CHANGE AVATAR] or [EDIT NAME].



■ CHANGE AVATAR

After selecting the avatar, touch [DONE].



■ EDIT NAME

Enter the name.



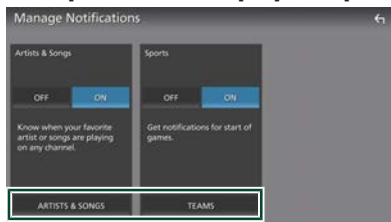
Notifications

1 Touch [MANAGE].



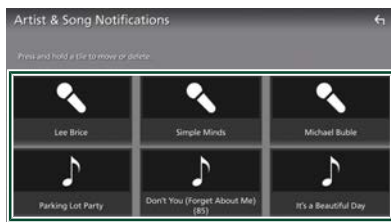
The notifications settings screen is displayed.

2 Touch [ARTISTS & SONGS] or [TEAMS].



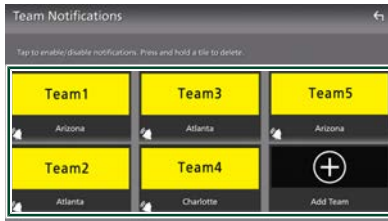
■ ARTISTS & SONGS

Touch the ARTISTS & SONGS tile to register or delete.

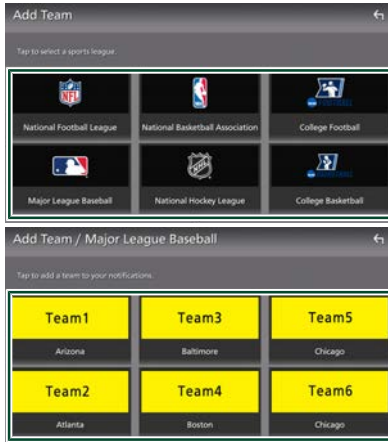


■ TEAMS

Touch a team tile to register or delete.

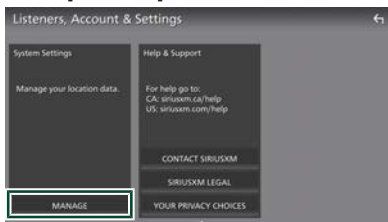


Touch [Add Team] to register an additional team. First select the league, then select the team.

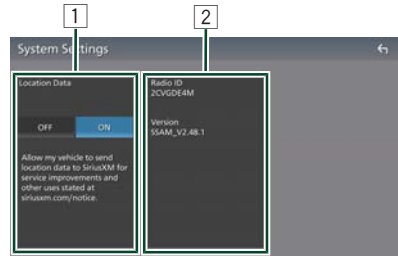


System Settings

- 1 Touch [MANAGE] on the main menu.



- 2 The System Settings screen is displayed.



- 1 **Connect your SiriusXM Listener Profile**

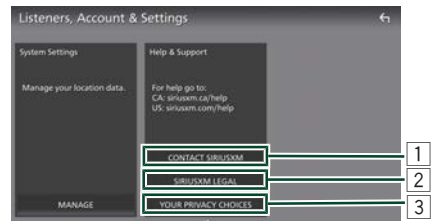
Use this to display the radio ID and SiriusXM application version.

- 2 **Radio ID/Version**

Use this to authorize sending location data to SiriusXM.

Help & Support

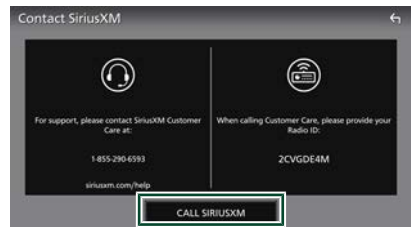
- 1 Touch the desired support item on the main menu.



- 1 **Contact SiriusXM**

Switches the screen to the Contact SiriusXM screen.

If you have a BT HFP connection, touch [CALL SIRIUSXM] to phone the Sirius support center.



- 2 **SiriusXM Legal**

Switches to the SiriusXM Legal screen.



3 Your Privacy Choices

Switches to the Your Privacy Choices screen.



Voice command list

Operations can be performed by voice using the commands on this list.

Category	Voice commands	Speech examples
Channel Number Channel Name Show Name Episode Name	Play <Category> Listen to <Category> Tune to <Category> Change to <Category> Switch to <Category> Go to <Category> Search for <Category> Find <Category> Look for <Category>	Play "Channel 100" Play "Hits 1" Play "The Morning Mashup" Search for "SiriusXMU - Foals"
Super Category Category	Search for <Category> Search <Category> Find <Category> Go to <Category> Switch to <Category> Go to <Category> Look for <Category> Tune to <Category> Play <Category> Listen to <Category> Take me to <Category> Where do I find <Category> Show me <Category> Open <Category>	Search for "Sports" Search for "Rock"
Host	Search for <Category> Search <Category> Find <Category> Look for <Category> <Category>	Search for "Howard Stern"
Artist Name Band Name	Search for <Category> Search <Category> <Category> Search for <Category> Radio Search <Category> Radio	Search for "Florence and the Machine"
Countdown	Search for <Category>	Search for "80s Countdown"
Sport Live Sports	Search for <Category>	Search for "Basketball"
Team / Game	Search for <Category> <Category>	Search for "Rockies Game"
Event Event Name	Search for <Category> <Category>	Search for "New York Comic Con"

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 smartphones/cell-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 phonebook, 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.
- The Bluetooth devices cannot be used while using Apple CarPlay.
- The Bluetooth currently connected with other device is disconnected when an iPhone compatible with Apple CarPlay is connected.

About the smartphone/cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version

- Bluetooth Ver. 5.2

Profiles

- Smartphone/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 smartphone/cell-phone depending on its type.

Register the Bluetooth device

It is necessary to register the Bluetooth audio player or smartphone/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 iPhone connected via USB terminal previously is connected again, an authentication dialog appears. Performing operation for authentication on this unit, or iPhone registers the smartphone as a Bluetooth device.

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

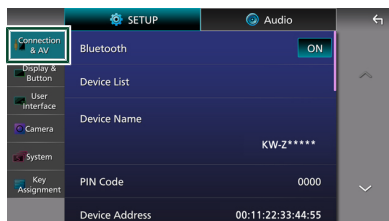
Touch  HOME on the popup menu. HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

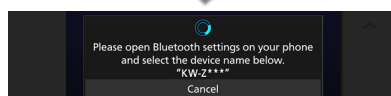
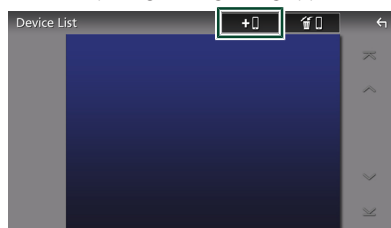
4 Touch [Connection & AV].



5 Touch [Device List].

6 Touch .

Bluetooth pairing waiting dialog appears.



NOTE

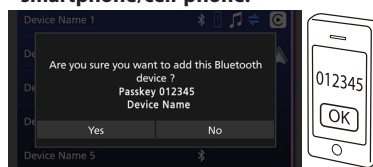
- If an Apple CarPlay device is currently connected, the Apple CarPlay device will be disconnected.
- When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, pressing and holding the  button displays Bluetooth pairing waiting dialog.

7 Search for the unit ("KW-Z*****") from your smartphone/cell-phone.

Complete steps 7 to 9 within 30 seconds.

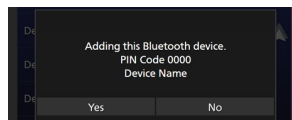
8 Operate your smartphone/cell-phone according to the displayed messages.

- 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.



9 Touch [Yes].

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

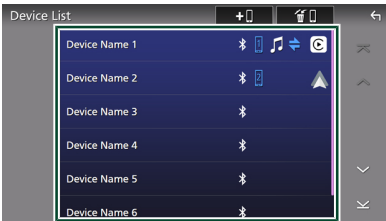
NOTE

- When registering the iPhone that is available for Apple CarPlay wirelessly, a confirmation message appears.
 - [Yes]: Displays the Apple CarPlay screen for wireless connection.
 - [No]: Apple CarPlay is not connected. When using Apple CarPlay, select the iPhone to be used as the [Apple CarPlay] source. See **Switch the connected device (P.72)**.
- The device name selected on step 7 can be changed. See **Change the device name (P.74)**.

 Switch the connected device

If two or more Bluetooth devices have been registered, select the device to be used.

- 1 Touch [Device List] in the Connection & AV setting menu.
- 2 Touch the name of the device you want to connect.



NOTE

- If the icon is lighted, it means that the unit will use that device.
- You can confirm the connection status of Bluetooth, Apple CarPlay or Android Auto as follows.
 - Bluetooth: If the device compatible with Bluetooth is paired,  (Blue),  (White) or  (Blue) is lighted.
 - Apple CarPlay: If the device compatible with Apple CarPlay is connected, the device name (Blue) and  (White) are lighted.
 - Android Auto: If the device compatible with Android Auto is connected, the device name (Blue) and  (White) are lighted.
- Even if the device is compatible with Apple CarPlay or Android Auto, icons are not displayed when;
 - Apple CarPlay is deactivated on the connected device side.
 - The connected device only supports wired Android Auto.
- If you select a device name to which the Apple CarPlay or Android Auto is connected, it will be disconnected.
- You can quickly display the Device List screen by touching  (Device List) in the popup menu. (P.18)

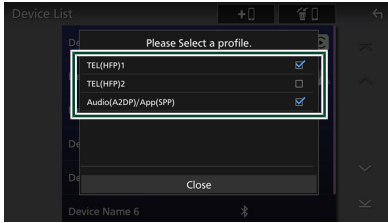
To switch the connected device to a Bluetooth device

- 1 Touch [Bluetooth] on the Device List screen.
Bluetooth device list appears.
- 2 Touch the name of the Bluetooth device you want to connect.

NOTE

- In the following cases, a confirmation message for disconnection appears. Touch [Yes] and follow to next step 2.
 - Select any device when Apple CarPlay is connected.
 - Select the connected device when Android Auto is connected.

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)]

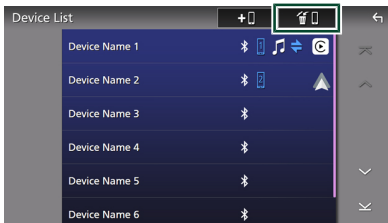
Select to use as an audio player or to interwork with an application installed in a smartphone.

4 Touch [Close].

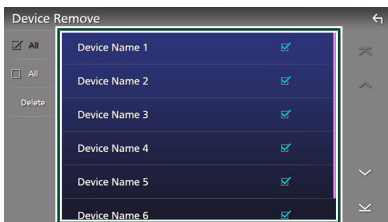
To delete the registered device

You can delete the device that is registered as Bluetooth source or Apple CarPlay source. When you delete a Bluetooth device which supports Android Auto, the device is also deleted from the Android Auto device list.

1 Touch on the Device List screen.



2 Touch the device name to check.



■ [☒ All]

Selects all Bluetooth devices.

■ [☐ All]

Clears all check marks.

NOTE

- You cannot select a device currently connected.
- When you select Android Auto tab,  is not displayed.

3 Touch [Delete].

Confirmation message appears.

4 Touch [Yes].

All the selected device(s) is deleted.

Bluetooth Setup

NOTE

- The Bluetooth Setup is disabled while using Apple CarPlay

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

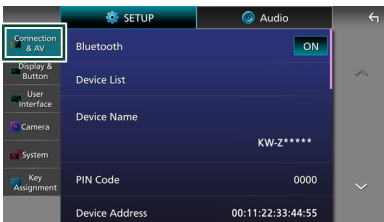
HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Connection & AV].



Connection & AV setting menu appears.

5 Touch [Bluetooth] and set to [ON].

See the following section for each setting.

- Change the PIN Code (**P.74**)
- Change the device name (**P.74**)
- Change the settings for Hands-Free function, see **Hands-Free Setup (P.82)**.

NOTE

- For the other setting items on this screen, see **Connection & AV Setup (P.90)**.

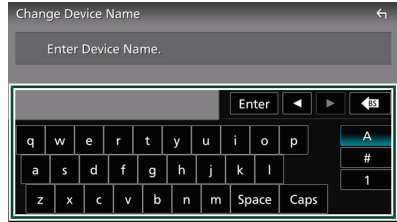
Change the device name

1 Touch [Device Name] in the Connection & AV setting menu.

Change Device Name screen appears.

2 Touch and hold .

3 Input the device name.



4 Touch [Enter].

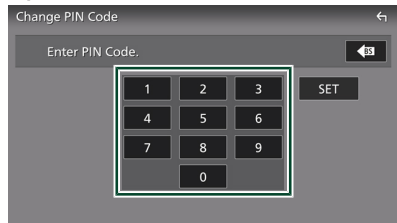
Change the PIN Code

1 Touch [PIN Code] in the Connection & AV setting menu.

Change PIN Code screen appears.

2 Touch and hold .

3 Input the PIN Code.



4 Touch [SET].

Playing the Bluetooth Audio Device

Most function can be controlled from the source control screen.

To select Bluetooth source, touch [Bluetooth Audio] icon on the source selection screen.

(P.19)

NOTE

- The Bluetooth audio source is disabled while using Apple CarPlay.
- The Bluetooth audio source is disabled when the device set as Audio(A2DP)/App(SPP) is using Android Auto.

Bluetooth basic operation

Control screen



1 Operation keys *

- **Q**: Searches for a file. See **File search (P.76)**.

- : 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 or pauses.

- : Touch to attenuate/restore the sound.

- : 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 Play mode indicator/Playing time

▶, ||: Current play mode indicator

Meanings of individual icons are as follows:

► (play), ►► (fast forward), ◄◄ (fast backward), || (pause), ■ (stop).

4 JVC Streaming DJ

Bluetooth audio devices can be switched easily to play music. See **JVC Streaming DJ (P.75)**.

Displays the Connection & AV setting menu.
(P.74)

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

NOTE

- The operation keys, 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 smartphone/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 smartphone/cell-phone or audio player.

Up to 5 Bluetooth audio device can be connected and switched easily to play music.

1 Touch .

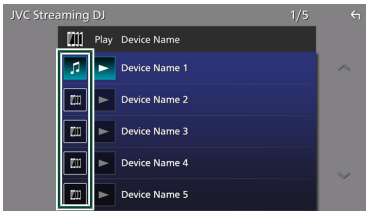
A list of registered devices is displayed.

2 Touch of device name you want to connect.

- Touching  displays the Device List screen. (P.71)

Bluetooth Control

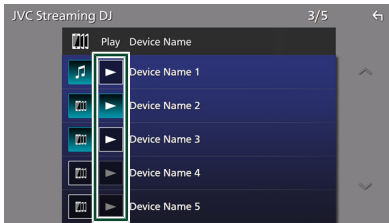
- Touching  on the left of the connected device ( ) disconnects this device.



-  : Device used normally.
-  : Device used for JVC Streaming DJ.

3 Touch (White/dark blue background) on the left of the name of the device to be played.

The background changes from dark to light blue and starts playback.



-  (Gray) : Not connected.
-  (White/dark blue background) : Connected.
-  (White/light blue background) : During playback.

4 Touch .

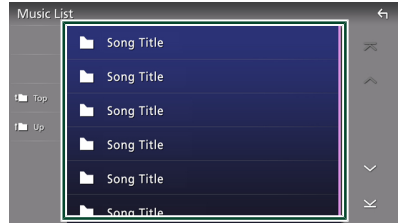
NOTE

- 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.
- You cannot select an Android smartphone connected as an Android Auto device.

File search

1 Touch .

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.22)**.

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 key (icon) to the Home screen. (P.19)
- While using the Bluetooth Hands-Free function, Apple CarPlay or Android Auto is not available.
- 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 KW-Z1001W/KW-Z1000AW

Press the  button.

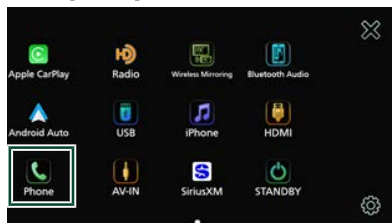
KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

3 Touch [Phone].



Hands-Free screen appears.

NOTE

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

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 smartphone/cell-phone to use

When you connect two smartphones/cell-phones

1 Touch to select the phone you want to use.

Bluetooth Setup

1 Touch .

Connection & AV setting menu appears. (P.74)

Voice Recognition

1 Touch . (P.79)

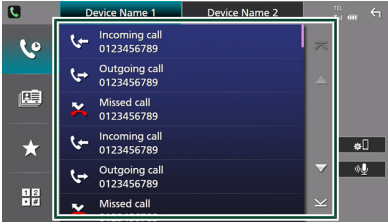
NOTE

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

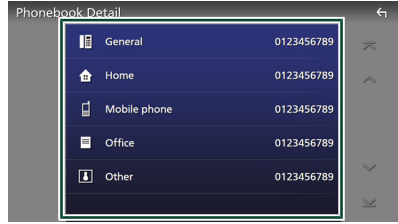
Call using call records

1 Touch .

2 Select the phone number from the list.



5 Select the phone number from the list.



Call using the phonebook

1 Touch .

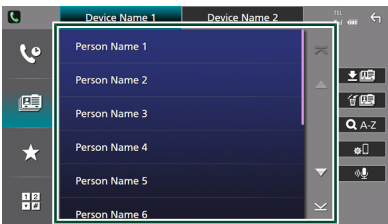
2 Touch .

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.



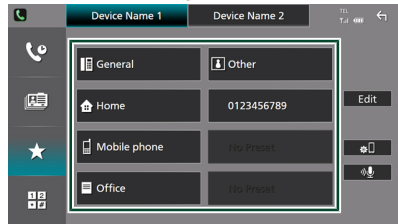
NOTE

- You can sort the phone numbers in the list by last name or first name. For details, see **Hands-Free Setup (P.82)**.
- When Russian is selected in “Language Select” (P.95), you can switch between English keyboard and Russian keyboard.
- When Hebrew is selected in “Language Select” (P.95), you can switch between English keyboard and Hebrew keyboard.
- You can search with 3 initial letters on the English keyboard and 1 initial letter on the Russian / Hebrew keyboard.

Call using the preset number

1 Touch .

2 Touch the name or phone number.



Call by entering a phone number

1 Touch .

2 Enter a phone number with number keys.



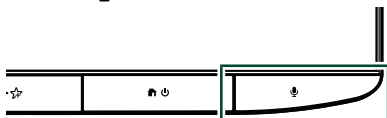
3 Touch .

Voice Recognition

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

KW-Z1001W/KW-Z1000AW

1 Press the button.



Voice Recognition screen appears.

2 Start speaking.

KW-Z800AW

1 Touch at the top of the screen.



2 Touch [VOICE] on the popup menu.



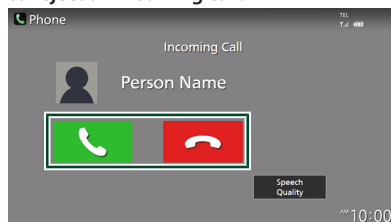
3 Start speaking.

NOTE

- You can use the voice recognition function by touching  on the Hands-Free screen.
- You can use the voice recognition function for the connected smartphone/cell-phone if you selected [TEL (HFP) 1] or [TEL (HFP) 2] for HFP when registered.

Receive a call

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



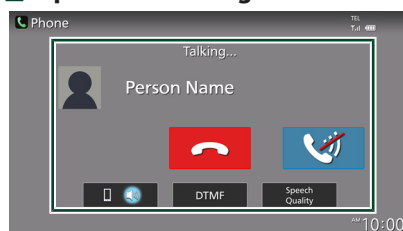
NOTE

- When shifting the gear to the reverse (R) position and monitoring the picture from the rear view camera, this screen does not appear even if a call comes in.
- The portrait registered in the phonebook is displayed while making/receiving calls and during a call.
- If you edit the phonebook on the connected device side after downloading the phonebook, the portrait may not be displayed depending on the edited content. It is recommended that you download the phonebook whenever you edit it.
- The image quality of a displayed portrait may depend on a connected device.

To end call

1 While talking, touch .

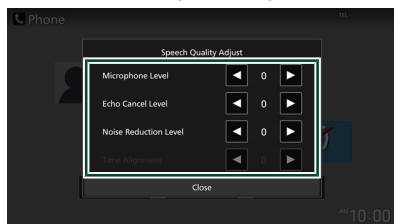
Operations during a call



● Adjust call sound quality.

1 Touch [Speech Quality].

- Touch ◀ or ▶ to adjust each parameter.



■ [Microphone Level]

Adjust the level of microphone gain.
Default is "0".

■ [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".

● Adjust the receiver volume

KW-Z1001W/KW-Z1000AW

- Press the [-] or [+] button.



KW-Z800AW

- Touch  at the top of the screen.



- Touch [-] or [+] on the popup menu.



● 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 smartphone/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.

■ Phone number preset

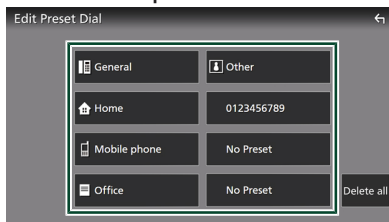
You can register frequently used phone numbers in this unit.

- Touch .

- Touch [Edit].



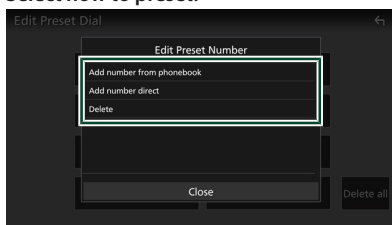
- Select where to preset.



■ [Delete all]

To delete all preset numbers, touch [Delete all] and then touch [Yes] on the confirmation screen.

4 Select how to preset.



■ [Add number from phonebook]

Select the number to preset from the phonebook.

■ [Add number direct]

Enter the telephone number directly and touch [SET].

■ [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

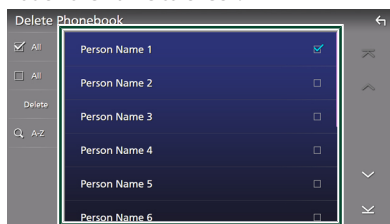
- If the Phonebook contains more than 1000 entries, only 1000 entries are transferred. The 1001st and later entries are not transferred.
- If no Phonebook has been downloaded, touching [Download Phonebook Now] will start downloading the Phonebook.
- The portrait registered in the phonebook is displayed while making/receiving calls and during a call.

If you edit the phonebook on the connected device side after downloading the phonebook, the portrait may not be displayed depending on the edited content. It is recommended that you download the phonebook whenever you edit it.

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 [Yes].

Hands-Free Setup

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

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

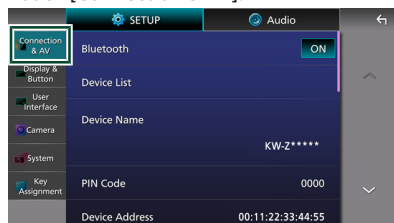
HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Connection & AV].



Connection & AV setting menu appears.

5 Touch [TEL SETUP].

TEL SETUP screen appears.

6 Set each function as follows.



■ [Bluetooth HF/Audio]

Select the speakers to output the sound from the smartphone/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).

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

■ [Auto Pairing]

When set to "ON", the Apple Auto Pairing function is turned on to automatically register the iPhone connected to this unit.

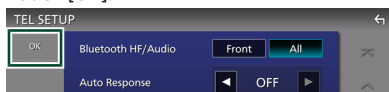
- [ON] (Default): Turns on the Apple Auto Pairing function.
- [OFF]: Turns off the Apple Auto Pairing function.

■ [Sort Order]

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

- [First] (Default): Sorts data by the first name.
- [Last]: Sorts data by the last name.

7 Touch [OK].



Other External Components

View Camera

NOTE

- To connect a camera, see **Connecting the camera (P.130)**.
- To use a rear view camera, a REVERSE lead connection is required. **(P.127)**
- If [Rear Camera Interruption] is active the camera screen is displayed when you shift the gear to the reverse (R) position.
- The camera whose view was displayed last is kept and the same camera view will be displayed the next time. If its assignment setting is changed, the rear camera view is displayed.
- Rear/front camera interruption screen is not kept as the camera screen which will be displayed the next time.

Display the camera screen

You can display the camera screen manually if "Camera" is registered to a popup menu function key. **(P.97)**

1 KW-Z1001W/KW-Z1000AW

Press the **FNC** button.
KW-Z800AW

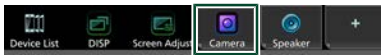
Touch  at the top of the screen.
Popup menu appears.

2 Touch [Camera].

KW-Z1001W/KW-Z1000AW

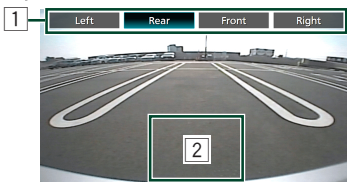


KW-Z800AW



View camera screen appears.

3 Adjust each item as follows.



1 Camera Switching Keys *1

Touch to switch the view camera. It is necessary to set "Camera Assignment Settings" beforehand except "Rear". See **To set up the camera assignment settings (P.84)**.

2 Camera off

Touch to exit the camera screen.

*1 When two or more cameras of rear, front, left, and right are connected with this unit.

Camera Setup

1 KW-Z1001W/KW-Z1000AW

Press the  button.
KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Camera].

Camera setting menu appears.

5 Set each item as follows.



■ [Camera Assignment Settings]

Set up the camera assignment. See **To set up the camera assignment settings (P.84)**.

■ [Rear Camera Interruption]

- [ON] (Default): Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
- [OFF]: Select this when no camera is connected.

■ [Rear Camera Message] *¹

- [Always display] (Default): Always displays the caution message on the rear camera interruption screen.
- [Clear after 5 seconds]: Displays the caution message for about 5 seconds on the rear camera interruption screen.

■ [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.84)**.

■ [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 To use the function, it is necessary to set [Rear Camera Interruption] to [ON].

*² To use the function, it is necessary to set [Rear Camera Interruption] to [ON], and to assign front position to the view camera. (P.84)

■ **To set up the camera assignment settings**

1 Touch [Camera Assignment Settings] in the Camera setting menu. (P.83)

2 Select the item to set up.

■ [REAR VIEW CAMERA]

The rear camera is always connected to the rear view camera input terminals. This setting cannot be changed.

■ [FRONT VIEW CAMERA]

Set the camera assignment from view camera connected to Front view camera input terminal.

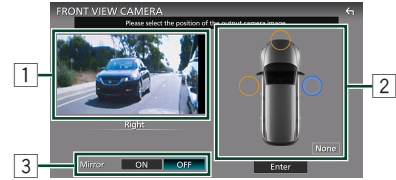
■ [3rd VIEW CAMERA]

Set the camera assignment from view camera connected to 3rd view camera input terminal.

■ [VIDEO IN]

Set the camera assignment from view camera connected to Video input terminal.

3 Select the view camera to set up.



4 Touch [Enter].

1 Picture from view camera

Displays the picture from the view camera connected to the input terminal to be set. (P.130)

2 Camera Position

Assign each position to the view camera connected to the selected input terminal. Front/Left/Right/[None]

3 Mirroring setting *¹

Switch the mirroring setting. [ON]/[OFF] (Default)

*¹ The [FRONT VIEW CAMERA] and [3rd VIEW CAMERA] setting screens only.

NOTE

- The screen shot above is for the [FRONT VIEW CAMERA] setting screen. It may be different from the ones for [3rd VIEW CAMERA] and [VIDEO IN].

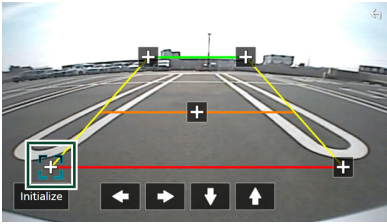
■ **To adjust the parking guidelines**

NOTE

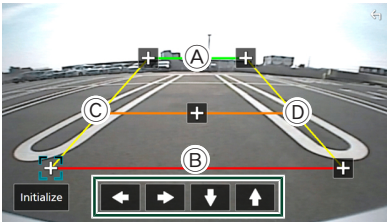
- Install the rear view camera in the appropriate position according to the instruction manual supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to apply the parking brake to prevent the car from moving.

1 Touch [Parking Guidelines] in the Camera setting menu and set to [ON]. (P.83)

- 2 Touch [Guidelines SETUP] in the Camera setting menu.
- 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 [Initialize] and then touch [Yes] to set all the  marks to their initial default position.

External audio/video players (AV-IN)

- 1 Connect an external component to the AV Audio input and the Video input terminal. (P.128)
- 2 Select [AV-IN] as the source. (P.19)
- 3 Turn on the connected component and start playing the source.

NOTE

- To select the AV-IN source, it is necessary to set "VIDEO IN" to "None" in Camera Assignment Settings. (P.84)

HDMI source

- 1 Connect your smartphone to the HDMI input terminal. (P.128)
Use HDMI cable KS-U70 (optional accessory).
- 2 Select [HDMI] as the source. (P.19)
- 3 Start an application or playback on your smartphone.

Maestro Features Operation

By connecting this unit to the bus system of the vehicle using an iDataLink Maestro (commercially available), this unit can access OEM audio sources, vehicle settings, and show vehicle information on this unit.

- 1 **KW-Z1001W/KW-Z1000AW**
Press the  button.
KW-Z800AW
Touch  at the top of the screen.
Touch  HOME on the popup menu.
HOME screen appears.
- 2 Touch  on the HOME screen.
- 3 Touch icon.



	• Displays the control screen of the Bluetooth Hands-Free function provided for the vehicle.
	• Displays the control screen of the accessories in the vehicle.
	• Displays vehicle information such as tire pressure, battery voltage, check engine codes. *
	• Display and control the OEM satellite radio.
	• Display and control the OEM media player.
	• Displays the control screen of the Bluetooth streaming source provided for the vehicle.
	• Display and controls the radar detector. *

	Displays information from the vehicle data lines, such as speedometer and fuel economy.
	Displays information about the status of the climate control system in the vehicle. *
	Displays information from the vehicle's parking sensors.

* These iDatalink Maestro features are displayed as the widget on the Home screen. **(P.25)**
You can display the relevant screens by touching the widget.

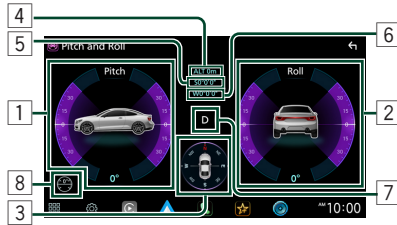
NOTE

- Displayable screens, key names, and screen names vary depending on the type of the connected iDatalink Maestro and the model of the vehicle. For more details, access the following URL:
<https://www.idatalink.com/>

Vehicle Status

Pitch and Roll

Displays the vehicle's angle of pitch, angle of roll, elevation, latitude and longitude, and bearing (compass).



1 Pitch display

Displays the numerical value^{*1} and an image of the angle of pitch.

2 Roll display

Displays the numerical value^{*1} and an image of the angle of roll.

3 Compass display

Displays the direction the vehicle is facing. ^{*2}

4 Elevation display

Displays the vehicle's elevation. ^{*2}

5 Latitude display

Displays the vehicle's latitude. ^{*2}

6 Longitude display

Displays the vehicle's longitude. ^{*2}

7 Gear position display

Displays the current gear (P, R, N, D, 3, 2, 1) ^{*1} ^{*3}

8 Pitch and Roll Reset button

Resets the pitch and roll angle to 0. ^{*4}

^{*1} Displays the value obtained from iDatalink Maestro (commercially available).

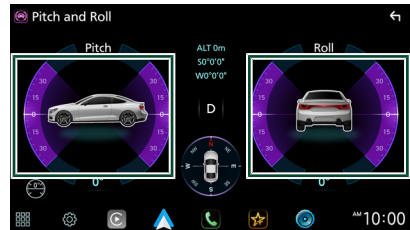
^{*2} Displays the value obtained from the GPS.

^{*3} This feature is only available when the iDatalink Maestro (commercially available) is connected to a vehicle with automatic transmissions.

^{*4} This is not displayed while Pitch/Roll data from iDatalink Maestro is being notified.

Switching vehicle image

You can change the image displayed for the vehicle.



Tap the image of the vehicle on the screen to change the image.

- There are 6 vehicle images.
(sports car / station wagon / truck / sedan/ box car / SUV)

Setup

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

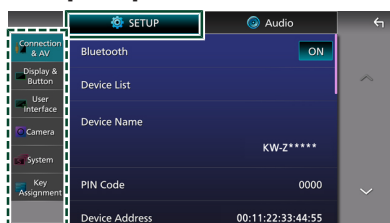
Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

2 Touch .

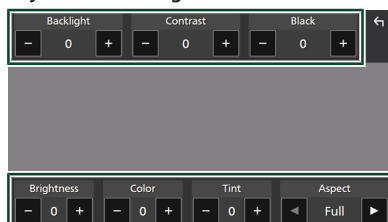
3 Touch [SETUP].



See the following section for each setting.

- Set up connection and AV (**P.90**)
- Set up display and button (**P.92**)
- Set up the user interface (**P.94**)
- Set up camera (**P.83**)
- Set up systems (**P.95**)
- Set up key assignment (**P.96**)

3 Adjust each setting as follows.



■ **[Backlight]** / **[Contrast]** / **[Black]** / **[Brightness]** / **[Color]** / **[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”**: USB device: Displays video fully (vertically or horizontally) with no ratio change.

NOTE

- Settings to adjust vary depending on the current source.

Monitor Screen Setup

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

1 KW-Z1001W/KW-Z1000AW

Press the **FNC**  button.

KW-Z800AW

Touch  at the top of the screen.

Popup menu appears.

2 Touch [Screen Adjust].

KW-Z1001W/KW-Z1000AW



KW-Z800AW



Screen Adjustment screen appears.

Connection & AV Setup

You can set connection and AV parameters.

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

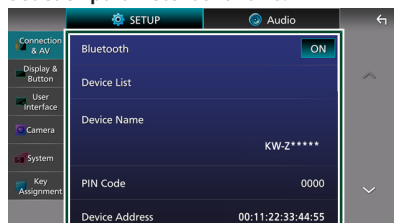
3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Connection & AV].

Connection & AV setting menu appears.

5 Set each parameter as follows.



■ [Bluetooth]

Turns the Bluetooth function on or off.

■ [Device List]

Select the connected device to be used.
(P.72)

■ [Device Name]

If you select [ON] for [Bluetooth], you can change the Bluetooth device name. See **Change the device name (P.74)**.

■ [PIN Code]

If you select [ON] for [Bluetooth], you can change the PIN code.

See **Change the PIN Code (P.74)**.

■ [Device address]

Display the Bluetooth device address.

■ [TEL SETUP]

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

See **Hands-Free Setup (P.82)**.

■ [Wi-Fi] **

Register the Wi-Fi access point to be used for the Internet connection with SiriusXM sources. (P.50)

■ [360L IP Connection] **

Make the settings for connecting to the Internet with SiriusXM sources. (P.50)

"ON"/"OFF" (Default)

- When set to "ON", Apple CarPlay, Android Auto and wireless mirroring sources cannot be used.

■ [Wireless Mirroring SSID]

You can change the SSID. See **Change the device name or Wireless Mirroring SSID (P.91)**.

■ [Android Auto Auto Launch]

Select whether to display the Android Auto screen automatically. Default is "ON".

■ [Guidance/Voice Recognition Volume]

Adjust the volume of the guidance and voice recognition in Apple CarPlay or Android Auto mode. Default is "19".

■ [Incoming Call Volume (Ring)]

Adjust the ring tone volume in Apple CarPlay or Android Auto mode. Default is "15".

■ [In Call Volume (Talking)]

Adjust the dial tone volume and the volume during a call in Apple CarPlay or Android Auto mode. Default is "15".

■ [Speech Quality Adjust]

Adjust the speech quality.

- **[Microphone Level]** : Adjust the level of microphone gain. Default is "0".
- **[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".
- **[Time Alignment]** : Not used.

■ [iPhone Bluetooth Connection]

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

■ [Reverse with ATT]

Select whether to decrease the audio volume automatically when the gear is shifted to the reverse (R) position. Default is "ON".

■ [Reset Android Auto Wireless Connection]

Regenerate a Pre-shared Key (PSK) to connect wirelessly with Android Auto. A confirmation dialog will appear because the system needs to restart to regenerate a PSK.

■ [Built-In Amplifier]

Select whether to use the built-in power amplifier.

Turning off the built-in amplifier improves the quality of the sound from Preout.
"ON" (Default) / "OFF"

6 Touch [Enter].

*1 This can be set when the SXV300 tuner (G2) (sold separately) is connected.

Change the device name or Wireless Mirroring SSID

1 KW-Z1001W/KW-Z1000AW

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

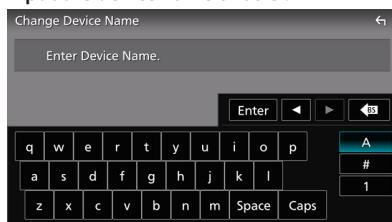
3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Device Name] / [Wireless Mirroring SSID].

Change Device Name screen or Change Wireless Mirroring SSID appears.

5 Input the device name or SSID.



Display & Button Setup

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

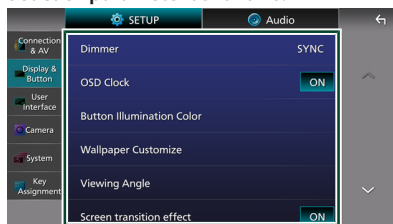
3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [Display & Button].

Display & Button setting menu appears.

5 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.

■ [OSD Clock]

Select if you want to display the clock while the screen is off, or while watching video files on USB, etc.

"ON" (Default)/"OFF"

■ [Button Illumination Color] (KW-Z1001W/KW-Z1000AW only)

You can set the button illumination color. (P.93)

■ [Wallpaper Customize]

You can change the wallpaper image or color. (P.92)

■ [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]

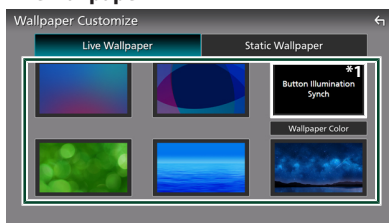
Select whether to use the screen transition effect when the source control screen is switched to the Home screen. "ON" (Default)/"OFF"

Change the wallpaper image

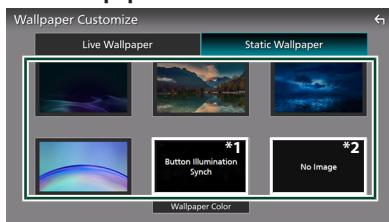
1 Touch [Wallpaper Customize] in the Display & Button setting menu.

2 Select an image from live or static wallpapers.

Live wallpaper



Static wallpaper



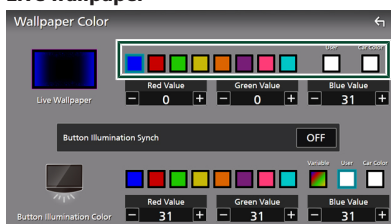
*1 Select a wallpaper and button illumination color in advance.

*2 Select an original image in advance.

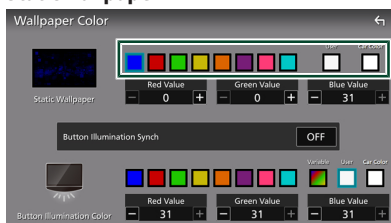
To select wallpaper color

1 Touch [Wallpaper Color] on the Wallpaper Customize screen.

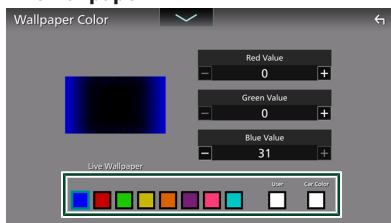
2 Select a wallpaper color. KW-Z1001W/KW-Z1000AW Live wallpaper



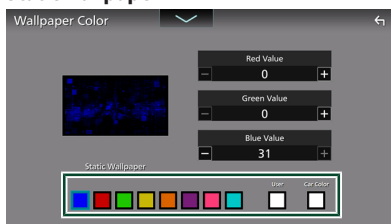
Static wallpaper



KW-Z800AW Live wallpaper



Static wallpaper



■ [User]

You can set the color created with the RGB color mixer. For how to create an original color, see **To register an original image (P.93)**.

■ [Car Color]

This can be selected when the iDataLink Maestro (commercially available) is connected.

■ [Button Illumination Synch] (KW-Z1001W/KW-Z1000AW only)

The color you have selected at [Button Illumination Color] can be set. If you adjust the color value with the following RGB color mixer, the adjusted color will be applied to the wallpaper and the button illumination.

For how to set the button illumination color and create an original color, see **Customizing the button color (P.93)**.

“ON”/“OFF”(default)

- When [Button Illumination Color] is “Variable” on the static wallpaper color screen, this option is fixed to OFF.

3 Touch .

To register an original image

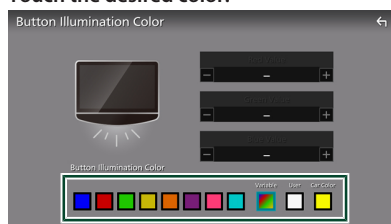
With “JVC Portal APP” application installed on your iPhone or Android smartphone, you can upload image files to this unit and set an image as the wallpaper image. See **Importing Image Files (P.26)**.

■ Customizing the button color (KW-Z1001W/KW-Z1000AW only)

You can set the button illumination color.

1 Touch [Button Illumination Color] in the Display & Button setting menu.

2 Touch the desired color.



■ [Variable]

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

■ [User]

You can set the color created with the RGB color mixer.

Setup

■ [Car Color]

This can be selected when the iDataLink Maestro (commercially available) is connected.

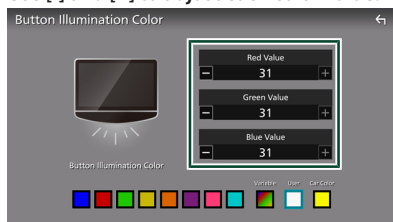
3 Touch .

To register an original color

You can register your original color.

1 Touch [User] on the Button Illumination Color screen.

2 Use [-] and [+] to adjust each color value.



3 Touch .

NOTE

- You can create a color based on a preset color. Touch the preset color instead of [User], and adjust the color value.

User Interface Setup

You can setup user interface parameters.

1 KW-Z1001W/KW-Z1000AW

Press the  .

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu. HOME screen appears.

2 Touch .

3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [User Interface].

User Interface setting menu appears.

5 Set each parameter as follows.



■ [Source Setup - Remote Control]

Select the sources to be switched with the remote controller. For how to operate the remote controller, see Remote control.

(P.111) (P.115)

■ [Beep] *1

Turn the key touch tone on or off. Default is "ON".

■ [Gesture Touch Control Effect]

Determine whether to show the trace of finger under gesture touch control. **(P.11)** "ON" (Default)/"OFF"

■ [MENU Button Display] (KW-Z800AW only)

This sets whether or not the  button is displayed.

When this is set to OFF, operations are carried out with the included remote control.

"ON" (Default)/"OFF"

■ [Parking Assist Display] *2

When the iDatalink Maestro (commercially available) is connected, 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.

■ [Parking Assist Position] *2

Select where to display information about obstacles on the screen (left or right).
"Left"/"Right" (Default)

■ [Android Auto Screen Size Switching]

Turn the Android Auto Split selection feature on or off.

"ON"/"OFF" (Default)

■ [Driving Position]

Select the driving position (left or right).
"Left" (Default)/"Right"

- *1 To use the function, it is necessary to set [Fiber Optic Output] to [OFF], and to set [X'over Network] to [2way].
- *2 This can be set when the iDatalink Maestro (commercially available) is connected.

System Setup

You can setup system parameters.

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

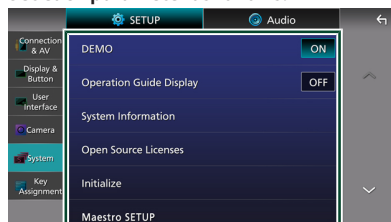
3 Touch [SETUP].

SETUP Menu screen appears.

4 Touch [System].

System setting menu appears.

5 Set each parameter as follows.



■ [DEMO]

Select the demonstration mode. Default is "ON".

■ [Operation Guide Display]

Determine whether to show the touch screen operation guide screen every time before HOME screen is displayed.
Default is "ON".

■ [System Information]

Confirm the system information of this unit. (P.96)

■ [Open Source Licenses]

Display the open source licenses.

■ [Initialize]

Touch [Initialize] and then touch [Yes] to set all the settings to the initial default settings.

- Audio SETUP Memory is not initialized.

■ [Maestro SETUP]

Confirm the information about or change the settings for using the iDatalink Maestro (commercially available).

Setup

■ [Vehicle Features]

This function requires a commercial adaptor.

Consult your JVC dealer for details.

■ [Language Select]

Select a language.

■ [Time Format]

■ [Time Zone]

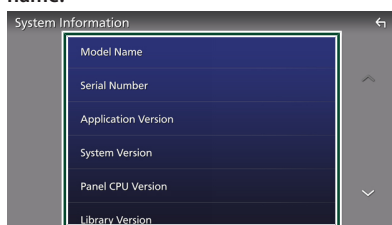
You can set the time. See **Select the time zone and time format (P.15)**.

■ System Information

You can confirm the software version of this unit.

- 1 Touch [System Information] in the System setting menu.

- 2 Verify the software version and model name.



NOTE

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

Key Assignment Setup

You can set key assignment parameters.

- 1 **KW-Z1001W/KW-Z1000AW**

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

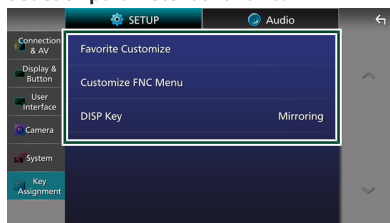
Touch  HOME on the popup menu.
HOME screen appears.

- 2 Touch .

- 3 Touch [SETUP].
SETUP Menu screen appears.

- 4 Touch [Key Assignment].
Key Assignment setting menu appears.

- 5 Set each parameter as follows.



■ [Favorite Customize]

Select the function which you wish to set for [Favorite] icon. (P.96)

■ [Customize FNC Menu]

Select the function which you wish to set for the function key1 to 3. (P.97)

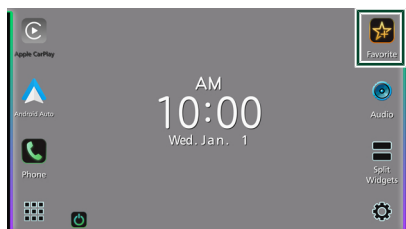
■ [DISP Key]

Select the source screen displayed when  in the popup menu screen is touched.

- **[OFF]**: Displays the control screen of the current source.
- **[Mirroring]** (Default): Switches to the App screen from the connected iPhone or Android smartphone or to the Apple CarPlay screen from the connected iPhone when the key is touched. (P.27)

■ Customize Favorite key

You can jump to your favorite function easily from HOME screen.



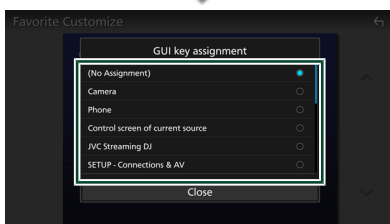
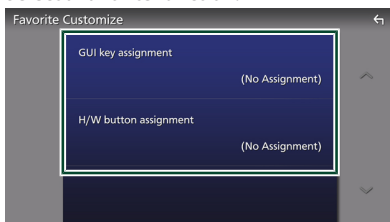
NOTE

- You can also jump to your favorite function when you press and hold **FNC**  button. (KW-Z1001W/ KW-Z1000AW only)
- Favorite key may be disabled on some screens depending on the registered function. When this key is invalid, start the desired function by normal procedure.

To register a favorite function

- 1 Touch [Favorite Customize] on the Key Assignment Setup screen.
Customize Favorite Key screen appears.

- 2 Select a favorite function.



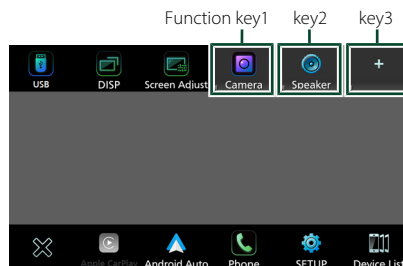
- 3 Touch [Close].

NOTE

- You can also change the assignment when you touch and hold [Favorite] icon on the HOME screen.
- If it is your first time to touch [Favorite] icon after installation, the function list dialog will appear.

Customize popup menu functions

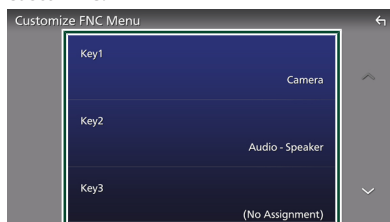
You can register a function for each of the function key1 to 3.



To register a function

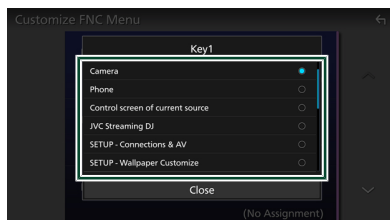
- 1 Touch [Customize FNC Menu] on the User Interface screen.
Customize FNC Menu screen appears.

- 2 Select the function key you want to customize.



The function list screen appears.

- 3 Select a function.



Setup

4 Touch [Close].

NOTE

- You can change the assignment when you touch and hold the desired function key.

Controlling Audio

The [System Configuration] settings must match the configuration of the connected amplifiers and speakers. (P.15)

- **Select the appropriate crossover network mode for the speaker system used (2-way or 3-way speaker system)**

⚠ CAUTION

Connecting 3-way speakers with the 2-way mode selected can break the speakers.

Set [X'over Network] to either 2-way or 3-way. (P.15)

For the connection method, see 3-way speaker system setup. (P.128)

NOTE

- When the 3-way speaker system is selected, the following functions are disabled.
 - Front focus of Listening Position / DTA
 - Fader for Controlling General Audio
 - Selection of the speakers to output sound from the smartphone/cell-phone of Bluetooth HF/ Audio
 - Beep for User Interface Setup

- **Select whether to use the built-in amplifier**

Set the [Built-In Amplifier] to either ON or OFF. (P.15) (P.90)

Turning off the built-in amplifier improves the quality of the sound from Preout.

Audio Setup

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

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

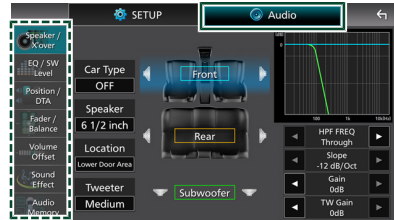
Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

2 Touch .

3 Touch [Audio].



See the following section for each setting.

- Set up Speaker / X'over (P.100)
- Controlling EQ / SW Level (P.101)
- Set Position / DTA (P.102)
- Controlling Fader / Balance (P.104)
- Set Volume Offset (P.105)
- Set Sound Effect (P.105)
- Use Audio Memory (P.110)

NOTE

- When the iDatalink Maestro (commercially available) is connected, the best audio settings are set automatically. Each parameter as follows are set.
 - Speaker / X'over
 - EQ / SW Level
 - Position / DTA
 - Fader / Balance
 - Sound Effect
- To recall the settings automatically adjusted by the iDatalink Maestro connection when the settings are changed manually, touch [Audio SETUP Clear] in the Audio Memory setting menu. (P.110)

Speaker / X'over setup

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.
HOME screen appears.

2 Touch .

3 Touch [Audio].

Audio screen appears.

4 Touch [Speaker / X'over].

5 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.



6 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.

If no rear speakers or subwoofer are connected, select "None" for each.

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

■ [HPF FREQ] (Only for Front, Rear)

High Pass Filter adjustment.

■ [LPF FREQ] (Only for Subwoofer)

Low Pass Filter adjustment.

■ [Slope]

Set a crossover slope.

■ [Gain]

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

■ [TW Gain] (Only for Front)

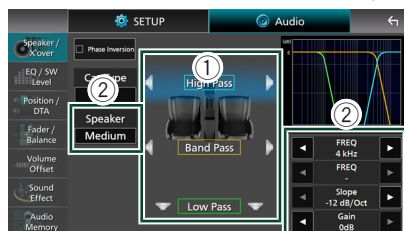
Adjust the tweeter level.

■ [Phase Inversion] (Only for Subwoofer)

Set the phase of subwoofer output.

Check [Phase Inversion] to shift the phase 180 degrees.

When Speaker network is set to 3-way:



■ [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.

■ [FREQ] (High Pass)

High Pass Filter adjustment. (Only for High Pass)

■ [FREQ] (Low Pass)

Low Pass Filter adjustment. (Only for Low Pass)

■ [HPF FREQ], [LPF FREQ] (Only for Band Pass)

Band Pass Filter adjustment.

■ [Slope]^{*1 *2}

Set a crossover slope.

■ [Gain]

Set the gain of each speaker.

■ [Phase Inversion]

Set 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".

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

NOTE

- For how to switch to the 3-way speaker system, see [X'over Network] in the System Configuration settings. (P.15)

Equalizer Control

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

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

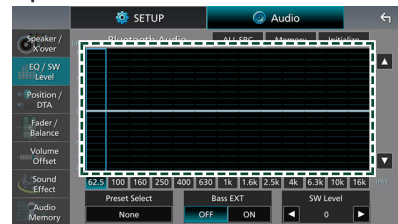
2 Touch .

3 Touch [Audio].

Audio screen appears.

4 Touch [EQ / SW Level].

5 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 [, [].

■ [ALL SRC]

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

■ [Memory]

Saves the adjusted equalizer curve as "User1" to "User4". (P.102)

■ [Initialize]

Initialize (flatten) the current EQ curve.

■ [Preset Select]

Display the screen for selecting the preset equalizer curve. (P.102)

■ [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).

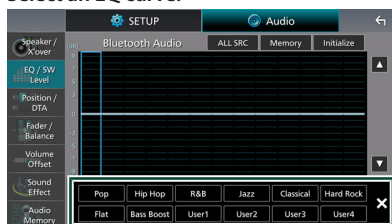
Controlling Audio

■ [SW Level]

Adjust the subwoofer volume. This setting is not available when Subwoofer is set to "None". See **Speaker / X'over setup (P.100)**.

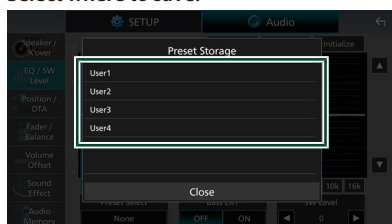
■ Recall the EQ curve

- 1 Touch [Preset Select].
- 2 Select an EQ curve.



■ Save the EQ curve

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



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 KW-Z1001W/KW-Z1000AW

Press the button.

KW-Z800AW

Touch at the top of the screen.

Touch HOME on the popup menu. HOME screen appears.

2 Touch .

3 Touch [Audio].

Audio screen appears.

4 Touch [Position / DTA].



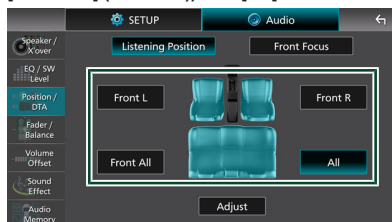
- Set up Listening Position (**P.102**)
- Set up Front Focus (**P.103**)

■ 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.

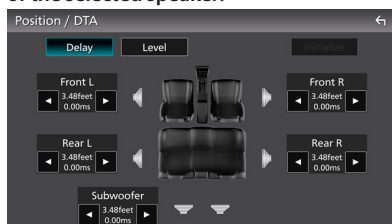
- 2 Select a listening position from [Front R] (Right front), [Front L] (Left front), [Front All] (All front), and [All].



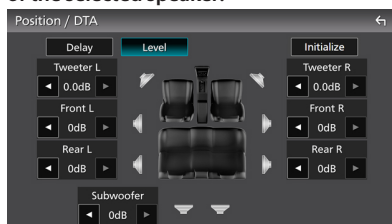
Position DTA control

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.



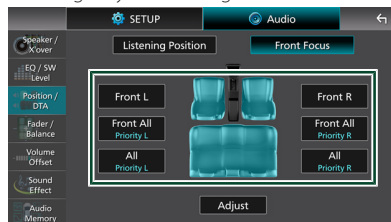
NOTE

- To initialize the Delay and Level settings, touch [Initialize] 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.

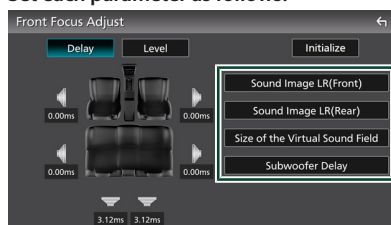


NOTE

- When the 3-way speaker system is selected, front focus feature is disabled.

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.

Controlling Audio

■ [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 [Initialize] and [YES] on the confirmation screen.

Fader / Balance

You can adjust the volume balance among the speakers.

1 **KW-Z1001W/KW-Z1000AW**

Press the button.

KW-Z800AW

Touch at the top of the screen.

Touch HOME on the popup menu.

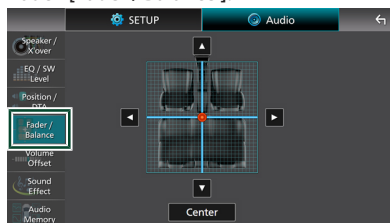
HOME screen appears.

2 Touch .

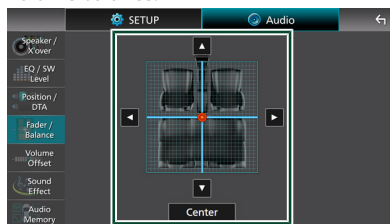
3 Touch [Audio].

Audio screen appears.

4 Touch [Fader / Balance].



5 Touch [◀], [▶], [▲], and [▼] to adjust the volume balance.



[◀] and [▶] adjust the left and right volume balance.

[▲] and [▼] adjust the front and rear volume balance.

■ [Center]

Clear the adjustment.

NOTE

- When the 3-way speaker system is selected, "Fader" adjustment is disabled.

Volume Offset

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

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

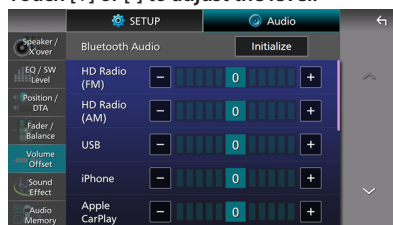
2 Touch .

3 Touch [Audio].

Audio screen appears.

4 Touch [Volume Offset].

5 Touch [+] or [-] to adjust the level.



■ [Initialize]

Returns to the initial settings.

Touch [Initialize] and then touch [YES] on the confirmation screen.

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.

Sound Effect

You can set sound effects.

1 KW-Z1001W/KW-Z1000AW

Press the  button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

HOME screen appears.

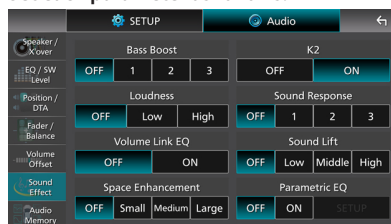
2 Touch .

3 Touch [Audio].

Audio screen appears.

4 Touch [Sound Effect].

5 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"

■ [Volume Link EQ]

Reduce the driving noise by boosting specific frequencies in the audio signal.

"OFF", "ON"

■ [Space Enhancement]

Select the feeling of sound space enhancement.

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

This setting is not available for the HD Radio tuner source.

■ [K2]

Turn ON/OFF the K2 function.

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

■ [Sound Response]

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

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

■ [Sound Lift]

You can adjust the height of speakers virtually to suit your listening position. "OFF"/"Low"/"Middle"/"High".

■ [Parametric EQ]

When set to "ON", you can use the parametric equalizer. For details, see *Parametric Equalizer (P.106)*.

Parametric Equalizer

In addition to the conventional Graphic Equalizer, this unit has a parametric equalizer, which allows you more precise adjustments. By using each equalizer properly, you can calibrate the unit more thoroughly.

Adjustment using this function requires expertise.

When to Use Each Function

- **Parametric Equalizer**
Use this to finely correct or improve the frequency characteristics of the acoustics of the car in order to establish a basis for adjustments.
Practiced ears or a measuring equipment may be required to apprehend the problems of the sound field inside the car.
- **Graphic Equalizer**
Use this to actively create an attractive sound as conventionally.
Everybody can easily get the result through trial and error of intuitive operations.
Even more effective adjustments are possible when the basis is established by using the Parametric Equalizer.

About the Parametric Equalizer

This system allows you to freely control the filter, frequency, Q factor (acuteness) and slope gain at 14 points consisting of 9 points common for front/rear/subwoofer, 2 points for front only, 2 points for rear only, and one point for subwoofer only.

NOTE

- Configure the Parametric Equalizer to establish the basis for adjustments before making adjustments using the Graphic Equalizer.
- The changes made using the Parametric Equalizer are not shown on the Graphic Equalizer screen.
- You can check the effects using the Parametric Equalizer ON/OFF key.

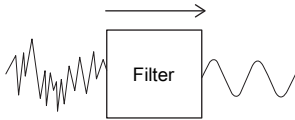
About Adjustments

If there are unpleasant peaks, you can slide the peaking filter to the left or right and search the frequencies by ear. Studio engineers use this method to make adjustments quickly and efficiently.

However, in order to identify peaks and dips of a car audio system, you have to capture the pink noise outputted from the speaker using a microphone and analyze it using a real time analyzer (RTA). From the analysis result, identify the peaks and/or dips that need to be corrected and configure the filters to cancel them.

About the Filters of Parametric Equalizer

Filters allow you to remove or extract specific sound through signal processing.



NOTE

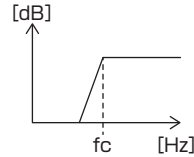
- Cutoff frequency is the boundary between the passband and the stopband. The definition of cutoff frequency is a frequency for which the output is -3 dB of the nominal passband value.

● High-Pass Filter

Passes signals with frequencies higher than a certain frequency (f_c : cutoff frequency) and attenuates signals with frequencies lower than the cutoff frequency. Use this to pass only high-frequency signals. Use this in the following cases for example:

- For extracting the frequency band for separate tweeters. By extracting the specific frequency band, level adjustment can be made to the frequency band individually.

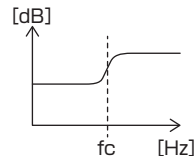
- The sound may be muddy when you play back low frequency sound. This occurs when frequencies below the speaker capacity is inputted. To cancel this, use the high-pass filter to cut off the frequencies below the speaker capacity.



● High-Shelving Filter/Low-Shelving Filter

These filters reduce or increase signals above or below a certain frequency (f_c : cutoff frequency), which create shelves in the frequency spectrums. A high-shelving filter reduces or increases the frequencies above the target frequency and a low-shelving filter reduces or increases the frequencies below the target frequency. The low shelf controls the lower frequencies and the high shelf controls the high frequencies. Use these in the following cases for example:

- When you want to change the volume of the tweeters, for example when they are close to your ears and are sounding too loud.
- When you want to change the subwoofer volume at hand.



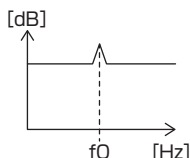
● Peaking Filter

The frequencies in the vicinity of a certain frequency (f_0 : center frequency) are boosted or attenuated. Use this in the following cases for example:

- When you want to control a narrow range of frequencies to correct the frequency abnormality in the car.
- To diminish a chattering noise from the speaker by attenuating the frequency range of the noise.

Controlling Audio

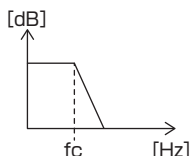
- To adjust of the sound balance of the whole range between the low end and the high end.



● Low-Pass Filter

Passes signals with frequencies lower than a certain frequency (f_c : cutoff frequency) and attenuates signals with frequencies higher than the cutoff frequency. Use this to pass only low-frequency signals. Use this in the following cases for example:

- For extracting the low frequencies band for a subwoofer.
- For extracting middle/low frequencies when you are using speakers with separate tweeters and you want to output the high frequencies to the tweeters and output the middle/low frequencies to the woofers.
- To cut the high frequencies when they are too loud.



■ Adjust the Parametric Equalizer

Preparation

- Correct the value in "Listening Position" and "Front Focus" before adjusting the parametric equalizer. See *Listening Position / DTA (P.102)*.

1 KW-Z1001W/KW-Z1000AW

Press the button.

KW-Z800AW

Touch at the top of the screen.

Touch HOME on the popup menu.

HOME screen appears.

2 Touch .

3 Touch [Audio].

4 Touch [Sound Effect].

5 Set the Parametric EQ to [ON] and touch [Yes].

6 Touch [SETUP].

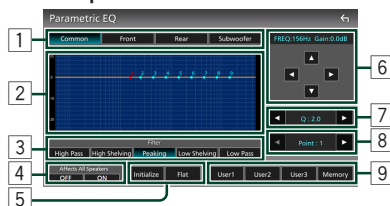
Parametric EQ screen appears.

7 While auditioning music, move the peaking filter to the left and right to search for unpleasant peaks and suppress them.

8 Use pink noise and an analyzer to identify dips, as dips are difficult to find.

Correct steep (10 dB or greater) peaks and dips as these are generally regarded as obstructions to sound quality.

9 Set each parameter as follows.



10 When you have finished adjustments, save the results as a preset, and check the effects by switching presets or turning the Parametric EQ [ON] and [OFF].

11 Use the Graphic Equalizer to make final adjustments. (P.105)

1 Speaker

Select the speaker.

- **When Speaker network is set to 2-way:**
"Common" / "Front" / "Rear" / "Subwoofer"
- **When Speaker network is set to 3-way:**
"Common" / "Tweeter" / "Middle" / "Woofer"

2 EQ points/curve

Displays the EQ point and the curve. Adjust the EQ points by touching.

- **EQ point (red):** The EQ point currently being adjusted.
- **EQ point (blue/yellow):** EQ points that are not currently being adjusted.
- **Curve (orange):** EQ curve of the speaker currently being adjusted.

- **Curve (blue):** Overall EQ curve.

3 Filter

Select the filter.

"High Pass" / "High Shelving" / "Peaking" / "Low Shelving" / "Low Pass"

4 Affects All Speakers^{*1}

- **[ON]:** Outputs sound from all speakers.
- **[OFF]:** Outputs sound from the currently selected speaker only.

5 [Initialize] / [Flat]

- **[Initialize]:** Initialize (flatten) the adjustment of all the speakers.
- **[Flat]:** Initialize (flatten) the adjustment of the current speaker.

6 Frequency / Gain

Set the frequency and gain.

[◀] and [▶] adjust the frequency.

[▲] and [▼] adjust the gain.

NOTE

- Touch the EQ point to roughly determine the frequency and gain, then use this key to make fine adjustments.

7 Q / Slope^{*2}

Set the Q factor and slope.

8 Point

Select the EQ point to adjust.

9 Preset

- **[User1] / [User2] / [User3]:** Recalls the preset EQ.
- **[Memory]:** Stores the current EQ settings.

*1 Only when the speaker other than "Common" is selected.

*2 When "Peaking" filter is selected, you can adjust the Q factor. When "High Pass" or "Low Pass" filter is selected, you can adjust the slope.

NOTE

- You can adjust the EQ points and curve based on a preset EQ. Recall the preset EQ and touch the preset key again to unselect it before adjustment.

Audio Setup memory

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

1 **KW-Z1001W/KW-Z1000AW**

Press the   button.

KW-Z800AW

Touch  at the top of the screen.

Touch  HOME on the popup menu.

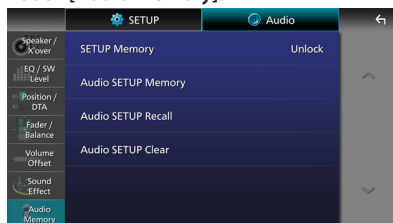
HOME screen appears.

2 Touch .

3 Touch [Audio].

Audio screen appears.

4 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 (**P.99**)

■ [Audio SETUP Recall]

Recall the memorized audio setting.

■ [Audio SETUP Clear]

Clear the Audio SETUP Memory and the currently memorized audio settings.
If the iDatalink Maestro (commercially available) is connected, the audio settings revert to the values set by the iDatalink Maestro.

Remote control (accessory)

KW-Z800AW

This unit can be operated using the remote control. (RM-RK260).

⚠ WARNING

- Do not ingest the battery, Chemical Burn Hazard
The remote control supplied with this product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

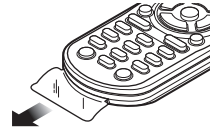
⚠ CAUTION

- Risk of fire or explosion if the battery is replaced by an incorrect type. Ensure to replace only with the same type.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is left in an extremely high temperature surrounding environment and/or subjected extremely low air pressure. The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is disposed into fire or a hot oven, recharged, shorted, mechanically crushed or cut of the battery.
- If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.

Battery Installation

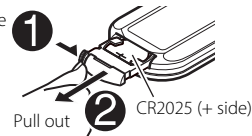
Preparing the remote control unit

Pull the battery sheet out from the remote control unit to the direction of the arrow.



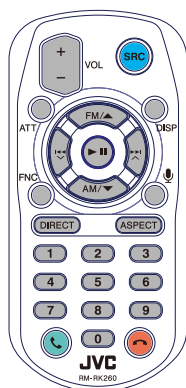
Changing the battery of the remote control unit

Keep on slide



- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.
 - If the effectiveness of the remote controller decreases, replace the battery.

Functions of the Remote control Buttons



Key Name	Function
SRC	Switches to the source to be played. In Hands-Free mode, hangs up the phone.
VOL + -	Adjusts the volume.
ATT	Lowers the volume when pressed once. Restores the previous volume when pressed twice.
DISP	Switches the screen between the current source and the App screen from the connected iPhone or Android.
FM/▲ AM/▼	Selects the folder to be played. For the HD Radio source, selects FM/AM band to be received. Not used for the SiriusXM source.
◀◀ ◻ ▶▶ ◻	Selects the track or file to be played. For the HD Radio and SiriusXM sources, switches to broadcast stations received by the unit.
▶/	Pauses the track or file, and resumes playing by pressing twice. For the HD Radio sources, switches the seek mode. Not used for the SiriusXM source.
FNC	Displays the popup menu screen.
🎤	- Switches the voice recognition function on. (P.29) (P.32) (P.79) - When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, pressing and holding displays Bluetooth pairing waiting dialog. (P.71)

Key Name	Function
DIRECT	Switches to the direct search mode. For details on the direct search mode, see Direct search mode (P.112) .
ASPECT	Changes the aspect ratio. To confirm the current aspect ratio setting, operate on the touch panel. (P.89)
Numeric Keypad	- 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.112). - For the HD Radio and SiriusXM sources, allows you to enter the preset number. - If the preset number is single digit, press the number. - If the preset number is double digits, press continuously the numbers within 3 seconds. - Pressing [◀◀] or [▶▶] within 3 seconds allows you to determine the preset number of single digit.
📞	When a call comes in, answers the call.
📞	When a call comes in, refuses the call. During a call, hangs up.

Direct search mode

Using the remote control, you can jump directly to the desired frequency value of the Radio source by entering the number corresponding to the content.

NOTE

- This operation cannot be performed for the USB device and iPhone.

1 Press the [DIRECT] button several times until the desired content appears.

The available contents are different depending on the source type.

■ HD Radio tuner

Frequency value/Channel number

■ SiriusXM

Channel number

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

3 Press the |◀◀ or ▶▶| button.

The content corresponding to the number you entered is played.

Caution for button or coin batteries:

	This symbol on the product means there are important operating and maintenance instructions in this manual. Be sure to carefully read instructions in this manual.
	This symbol means that a button cell or coin battery is contained.

! WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.




- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Battery type: CR2025
- Nominal voltage: DC3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 212°F (100°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Remote control (optional)

KW-Z1001W/KW-Z1000AW

This unit can be operated using the remote control RM-RK259K (optional accessory).

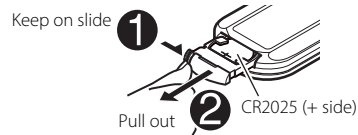
⚠ WARNING

- Do not ingest the battery, Chemical Burn Hazard
The remote control supplied with this product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.
- Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.
- If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

⚠ CAUTION

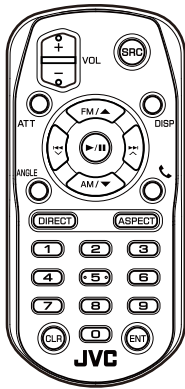
- Risk of fire or explosion if the battery is replaced by an incorrect type. Ensure to replace only with the same type.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is left in an extremely high temperature surrounding environment and/or subjected extremely low air pressure. The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Risk of fire, explosion or the leakage of flammable liquid or gas if the battery is disposed into fire or a hot oven, recharged, shorted, mechanically crushed or cut of the battery.
- If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.

Battery Installation



- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.
 - If the effectiveness of the remote controller decreases, replace the battery.

Functions of the Remote control Buttons



Key Name	Function
SRC	Switches to the source to be played. In Hands-Free mode, hangs up the phone.
VOL + -	Adjusts the volume.
ATT	Lowers the volume when pressed once. Restores the previous volume when pressed twice.
DISP	Switches the screen between the current source and the App screen from the connected iPhone or Android.
FM/▲ AM/▼	Selects the folder to be played. For the HD Radio source, selects FM/AM band to be received. Not used for the SiriusXM source.
◀◀ ◻ ▶▶ ◻	Selects the track or file to be played. For the HD Radio and SiriusXM sources, switches to broadcast stations received by the unit.
▶/	Pauses the track or file, and resumes playing by pressing twice. For the HD Radio sources, switches the seek mode. Not used for the SiriusXM source.
ANGLE	Not used.
☎	When a call comes in, answers the call.
DIRECT	Switches to the direct search mode. For details on the direct search mode, see Direct search mode (P.116) .

Key Name	Function
ASPECT	Changes the aspect ratio. To confirm the current aspect ratio setting, operate on the touch panel. (P.89)
Numeric Keypad	- 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.116). - For the HD Radio and SiriusXM sources, allows you to enter the preset number. - If the preset number is single digit, press the number. - If the preset number is double digits, press continuously the numbers within 3 seconds. - Pressing [◀◀] or [▶▶] within 3 seconds allows you to determine the preset number of single digit.
CLR	Not used.
ENT	Not used.

Direct search mode

Using the remote control, you can jump directly to the desired frequency value of the Radio source by entering the number corresponding to the content.

NOTE

- This operation cannot be performed for the USB device and iPhone.

- Press the [DIRECT] button several times until the desired content appears.**
The available contents are different depending on the source type.
 - **HD Radio tuner**
Frequency value/Channel number
 - **SiriusXM**
Channel number
- Enter the number of the content you want to play using the numeric keypad.**
- Press the [◀◀] or [▶▶] button.**
The content corresponding to the number you entered is played.

Caution for button or coin batteries:

	This symbol on the product means there are important operating and maintenance instructions in this manual. Be sure to carefully read instructions in this manual.
	This symbol means that a button cell or coin battery is contained.

WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



- Remove and immediately recycle or dispose of used batteries according to local regulations and keep away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information.
- Battery type: CR2025
- Nominal voltage: DC3V
- Non-rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 212°F (100°C) or incinerate. Doing so may result in injury due to venting, leakage or explosion resulting in chemical burns.
- Ensure the batteries are installed correctly according to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure the battery compartment. If the battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

Connection/Installation

This section is for the professional installer. For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.

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.

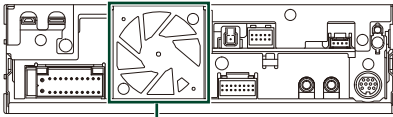
▲ CAUTION

- 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.
- Do not install the unit if it becomes an obstacle to driver performance.
- Adjust the panel position not to become an obstacle to driver performance.
- 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.

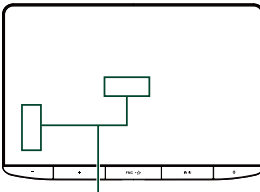
- If the power is not turned ON ("There is an error in the speaker wiring. Please check the connections." is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- 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, the lid will not be closed even when the unit is installed correctly.
- If the fuse blows, first make sure the wires are not 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.
- 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.



Cooling fan

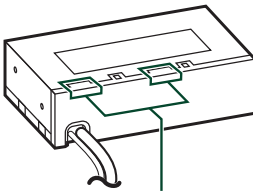
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.
- Reception may drop if there are metal objects near the Bluetooth/Wi-Fi antenna.

KW-Z1001W



Bluetooth/Wi-Fi antenna unit

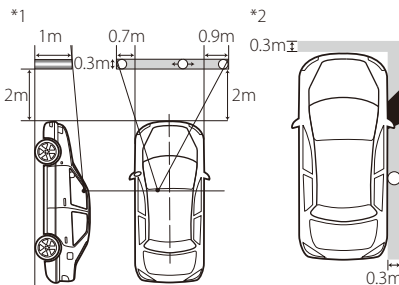
KW-Z1000AW/KW-Z800AW



Bluetooth/Wi-Fi antenna unit

● Forward and Lateral Fields of Vision

- To determine driver's forward and lateral fields of vision under normal conditions, place a pole (directly visible from the front or visible through the car rear-view mirror) as shown.



- ○ : Pole (height: 1m, diameter: 0.3m)
- ■ : Field of vision from steering position

- ■ : Exempted area (pole size is subject to regulation)

- For right hand drive vehicles, standards are reversed.

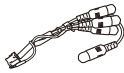
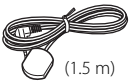
*1 The pole must be visible from the driver's position as direct forward field of vision.

*2 The pole must be directly visible or indirectly visible through the mirror, etc. from the driver's position.

■ Supplied accessories for installation

①		x1
②		x1
③		x1
④		x4
⑤		x4
⑥		x1
⑦		x1
⑧		x1
⑨		x4
⑩		x3 *1 *2 x1 *3
⑪		x5

Connection/Installation

⑫		×1
⑬		×1
⑭		×1
⑮		×1
⑯		×1

*1 KW-Z1001W only

*2 KW-Z1000AW only

*3 KW-Z800AW only

Installation procedure

1. To prevent a short circuit, remove the key from the ignition and disconnect the $\ominus$ terminal of the battery.
2. Remove the vehicle parts for installing the unit and connecting wires to terminal.
3. Make the proper input and output wire connections for each unit.
4. Connect the speaker wires of the wiring harness.
5. Connect the wiring harness wires in the following order; ground, battery, ignition.
6. Determine the height of the display unit and position of the slider. See **Distance between the display unit and the main unit (P.122)**.
7. Connect the wiring harness connector to the unit.
8. Install the main unit to the vehicle.
9. Reinstall the vehicle parts.
10. Install the display unit.
11. Reconnect the $\ominus$ terminal of the battery.
12. Perform the Initial Setup.
See **Initial SETUP (P.14)**.

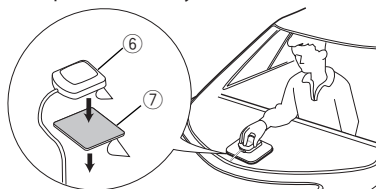
Installing the accessories

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 ⑦).
3. Press the metal plate (accessory ⑦) down firmly on your dashboard or other mounting surface. You can bend the metal plate (accessory ⑦) to conform to a curved surface, if necessary.
4. Remove the separator of the GPS antenna (accessory ⑥), and stick the antenna to the metal plate (accessory ⑦).



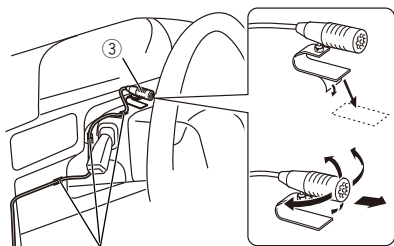
NOTE

- Use the supplied GPS antenna. Using the GPS antenna other than the supplied one may cause a drop in positioning accuracy.
- 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 smartphone/cell-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 ③).
2. Clean the installation surface.
3. Remove the separator of the microphone (accessory ③), 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 ③) to the driver.



Fix a cable with a commercial item of tape.

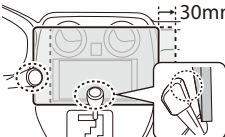
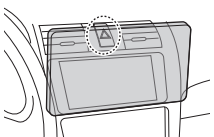
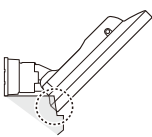
Installing the Big Screen model

KW-Z1001W/KW-Z1000AW

Confirm the installing position of the display unit

● Vehicles cannot be installed

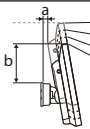
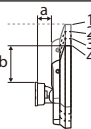
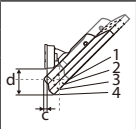
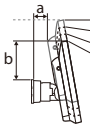
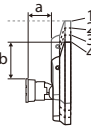
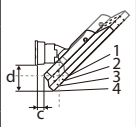
It may be possible to install if it can avoid the following by adjustment for slider position and display height.

Lever operations are interfered such as shift lever, wiper lever, winker lever when install the unit.	A hazard switch is hidden from a driver seat.	The display unit hits a panel on the vehicle.
		

*1 The Display unit can move 30 mm to the left or right. It can be installed if it doesn't interfere with lever operation when moving.

● Distance between the display unit and the main unit

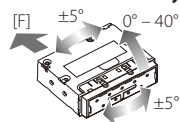
Adjust slider position and display height so that it does not interfere with display movement.

Slider position	Display angle											
	-10°				0°				45°			
Back position		a		b		a		b		c		d
		1	10.8	126.5		1	30.0	123.6		1	25.6	20.9
		2	13.4	111.8		2		108.6		2	15.0	31.8
		3	16.0	97.2		3		93.6		3	4.4	42.1
		4	18.6	82.4		4		78.6		4	-6.2	52.7
Forward position		a		b		a		b		c		d
		1	29.8	126.5		1	49.0	123.6		1	44.6	20.9
		2	32.4	111.8		2		108.6		2	34.0	31.8
		3	35.0	97.2		3		93.6		3	23.4	42.1
		4	37.6	82.4		4		78.6		4	12.8	52.7

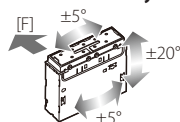
Unit: mm

● Main unit allowable installation angles

Installed horizontally



Installed vertically



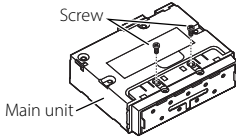
- [F] : Front side of the vehicle
- Pitch : 0° - 40° (horizontally), ±20° (vertically)
- Roll/Yaw : ±5°

To install with the main unit separated from the display unit

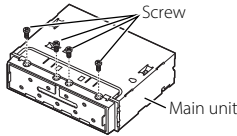
- Depending on how the main unit is oriented, [Installation Orientation] may require configuring. **(P.15)**
- The KS-UA50 extension cable (150 cm / 4.9 ft, sold separately) is required to connect the display unit (accessory ⑧).

Positioning the slider in forward (KW-Z1001W only)

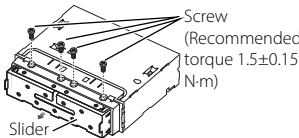
- 1 Remove the two screws from the top of the main unit.



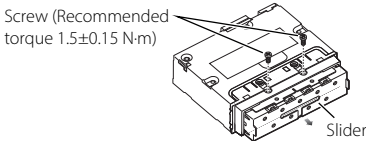
- 2 Remove the four screws from the bottom of the main unit.



- 3 Pull the slider block forward and reinstall the four screws to the bottom of the main unit.



- 4 Reinstall the two screws from the top of the main unit.



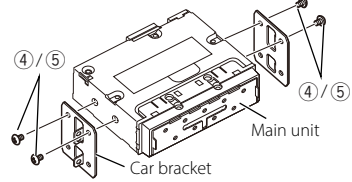
Installing the main unit (KW-Z1001W only)

NOTE

- Determine the slider position before installing the main unit. (**P.123**) The slider position cannot be changed after installing to the vehicle.
- Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction.

- 1 Remove parts that interfere with installing such as a panel on the vehicle.

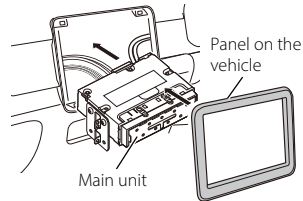
- 2 Install the car bracket to the main unit.



- 3 Connect the wiring harness wires and peripheral equipment.

- 4 Install the main unit to the vehicle.

- 5 Reinstall the removed parts such as a panel on the vehicle.

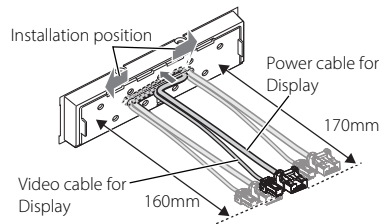


Installing the arm bracket for the display unit (KW-Z1001W only)

- 1 Match the arm bracket (accessory ⑫) installation position to align with the length of the display cable.

Power cable for Display : about 170 mm (6-11/16")

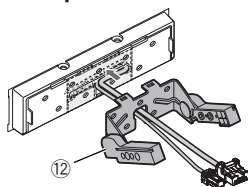
Video cable for Display : about 160 mm (6-5/16")



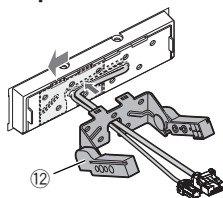
2 Positioning the arm bracket (accessory 12).

When installing the arm bracket in the left or right position, move the display cable so that it aligns with the groove in the arm bracket.

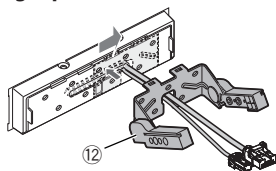
Center position



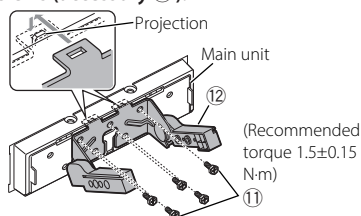
Left position



Right position



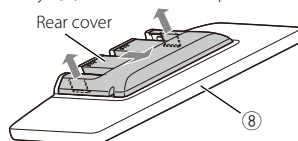
3 Fix the arm bracket (accessory 12) to the main unit with the five binding head screws (accessory 11).



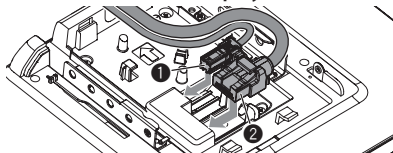
Installing the display unit and adjusting the height

1 Remove the rear cover from the display unit (accessory 8).

Slide the rear cover on the display unit (accessory 8) over and lift it up.



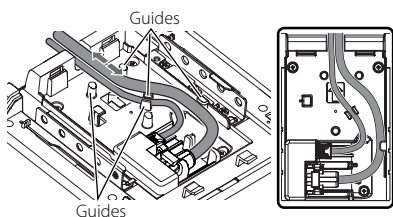
2 Connect the Video cable for Display (1) and Power cable for Display (2).



3 Run the display cables.

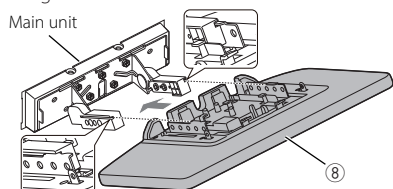
Use the guides to secure the Video cable for Display (1) in place.

Run the display cables along the interior guide path (between the posts). Install it so that the display unit has room to move. Tuck the remaining display cables inside the main unit.

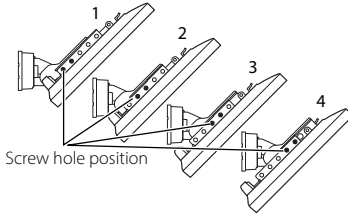


4 Install the display unit (accessory 8) to the main unit.

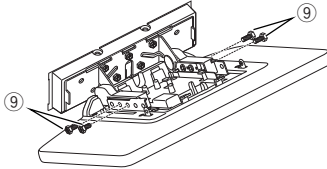
Install the unit so that the hooks on the display unit (accessory 8) are inserted into the groove on the arm bracket.



- 5 Adjust the display height according to the screw hole position.**



- 6 Fix the display unit with four hexagon head screws (accessory ⑨).**



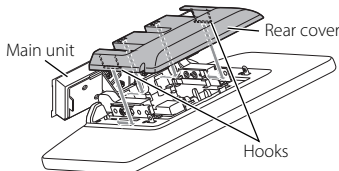
NOTE

- Fix with hexagon head screws correctly. After installing the display unit (accessory ⑧) to the main unit, tilt the display forward until it stops and confirm that the display unit (accessory ⑧) does not hit vehicle parts. If the display unit hits vehicle parts, adjust the display height again.

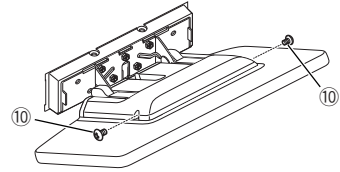
- 7 Adjust the length of the display cable to align with the height of the display unit.**

Install it so that the display unit has room to move. Tuck the remaining display cable inside the main unit.

- 8 Attach the rear cover of the display unit.**
Insert the hooks on the rear cover into the grooves on the display unit. Slide it along the main unit until you hear a click.



- 9 Fix the display unit cover with two binding head screws (accessory ⑩).**



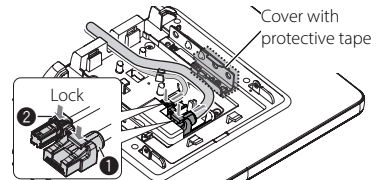
- 10 Raise the display manually.**

■ Removing the display cable

▲ CAUTION

- To prevent injuries to your hands and damage to the display cable, cover the metal parts with protective tape before working.
- Do not disconnect cables while the unit's power is on. Doing so could cause damage.

- 1 Apply protective tape so that it covers the metal parts in the shaded area in the image.**



- 2 Press and hold the display cable lock and then remove the cable.**

Disconnect the Power cable for Display (①) and Video cable for Display (②).

Installing the Separate model

KW-Z1000AW/KW-Z800AW

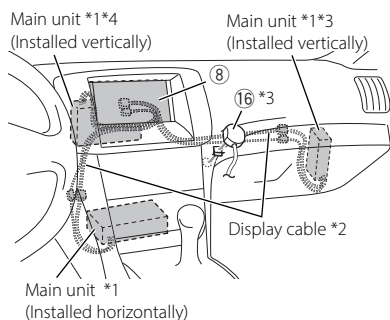
Preparation

- You may need the ADS installation kit to align with the installation vehicle.
Link: <https://www.idatalinkmaestro.com>
- See the instruction manual included with the installation kit for how to install.

NOTE

- Be sure to install using the ADS installation kit. The unit may not operate properly if the installation kit is not used.

Installation overview



- *1 Depending on how the main unit is oriented, [Installation Orientation] may require configuring. **(P.15)**
- *2 Connect the main unit display cable (65 cm / 2.1 ft.) to the display unit (accessory ⑧). If the display cable does not reach, you will need the extension cable KS-UA50 (150 cm / 4.9 ft, sold separately).
- *3 KW-Z800AW only.
- *4 KW-Z1000AW only.

Installing the remote control sensor (KW-Z800AW only)

- Confirm the installation location for the remote control sensor (accessory ⑩).
- Clean the surface of the installation location.
- Remove the separator on the remote control sensor (accessory ⑩) and attach the light receptor.

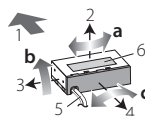
- Use tape to secure the remote control sensor cable at several locations and run it to the display unit (accessory ⑧).

NOTE

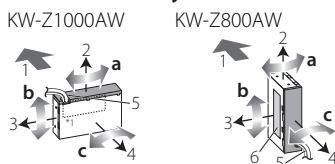
- Take note of the following precautions when installing the remote control sensor (accessory ⑩).
 - Install in a location that can easily receive the infrared signals from the remote control.
 - Select a location where double-sided tape can be used to secure the sensor.

Main unit allowable installation angles

Installed horizontally



Installed vertically

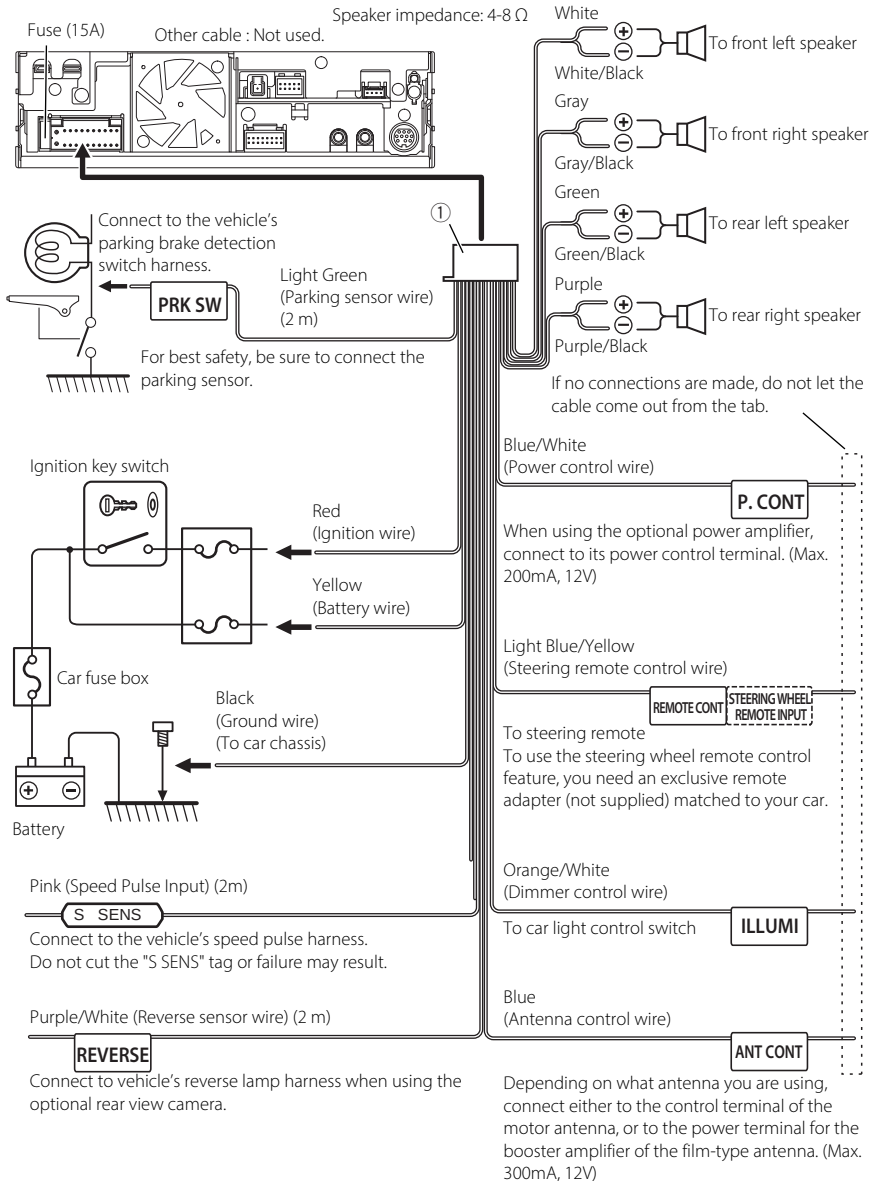


		Installed horizontally	Installed vertically
a	Yaw	$\pm 5^\circ$	$\pm 5^\circ$
b	Pitch	$0^\circ - 40^\circ$	$\pm 20^\circ$
c	Roll	$\pm 5^\circ$	$\pm 5^\circ$
1		Front side of the vehicle	
2		Top side	
3		Left side	
4		Cluster panel side (inside the vehicle interior)	
5		Display cable	
6		Model name plate	

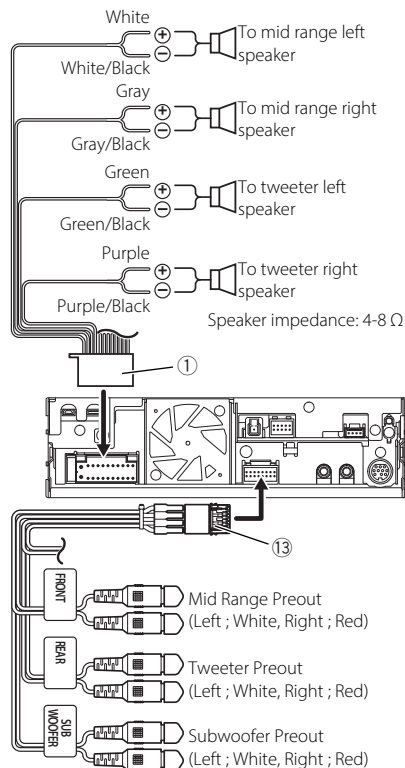
- *1 When installing the KW-Z1000AW, orient the face with the model number towards the front of the vehicle.

Connecting the unit

Connecting wires to terminals



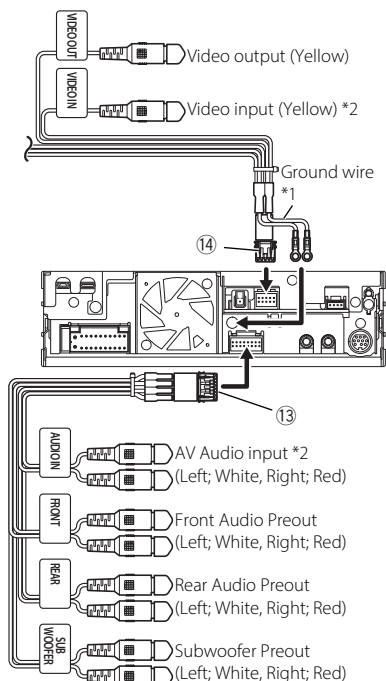
3-way speaker system setup



NOTE

- When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.
- For how to switch to the 3-way speaker system, see [X'over Network] in the System Configuration settings. (P.15)
- For speaker setup and crossover setup, see **Speaker / X'over setup (P.100)**.
- For how to connect speaker wires to terminals other than speaker terminals and Preout terminals, see **Connecting the external amplifiers and external AV device (P.128)** and **Connecting wires to terminals (P.127)**.
- When not using the Preout (RCA terminals), keep the terminal caps on.

Connecting the external amplifiers and external AV device



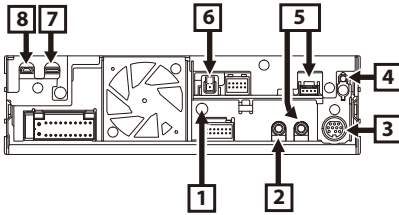
*1 Secure the two ground wires together to the chassis of the main unit.

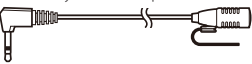
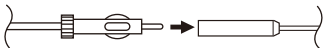
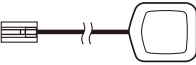
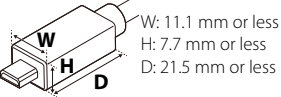
*2 Set "VIDEO IN" to "None" in Camera Assignment Settings. (P.84)

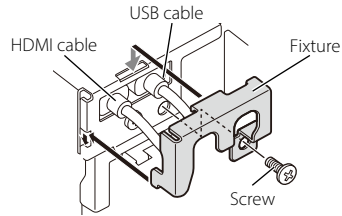
NOTE

- When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.
- When not using the Preout (RCA terminals), keep the terminal caps on.

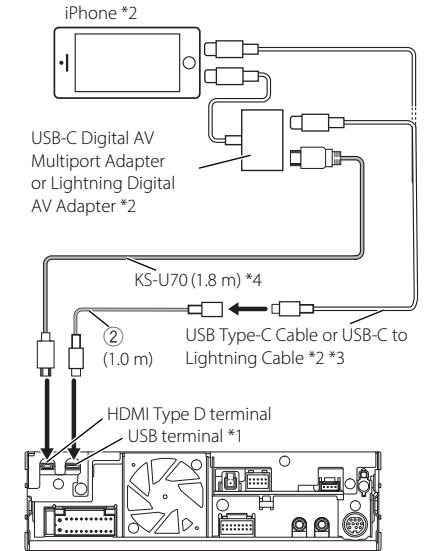
Connecting the system and external components



1	Secure both ground wires from accessory ⑭ together to the chassis as show in the diagram below.
2	Accessory ③ : Microphone 
3	SiriusXM Connect Vehicle Tuner connector For more information on how to install the SiriusXM Connect Vehicle tuner, consult the installation guide included with the tuner.
4	FM/AM antenna input 
5	iDatalink Maestro connector
6	Accessory ⑥ : GPS Antenna Use the supplied GPS antenna. Using the GPS antenna other than the supplied one may cause a drop in positioning accuracy. 
7	USB terminal (USB Type-C*)
8	HDMI input (Type-D) Connect a KS-U70 (optional accessory) to HDMI input terminal. 



Connecting an iPhone



*1 USB maximum power supply current : DC 5 V
--- 3.0 A

*2 Sold separately.

*3 Depending on the iPhone connector, use a genuine Apple Lightning-USB cable or a USB-IF certified USB-C® cable.
If you use non-certified cable, it may not work properly.

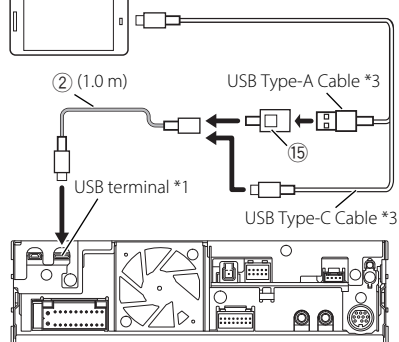
*4 Optional accessory

Installation/removal of fixing bracket

When you connect the cable to HDMI terminal and USB terminal, remove the fixture. After connecting the cable, put the fixture again.

Connecting an Android™ smartphone

Android smartphone *2

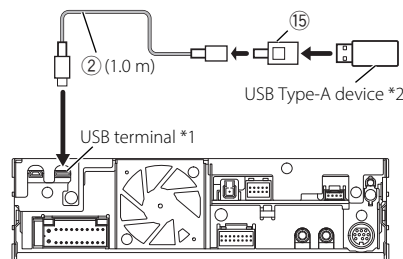


*1 USB maximum power supply current : DC 5 V
= 3.0 A

*2 Sold separately.

*3 Use USB-IF certified USB cable.

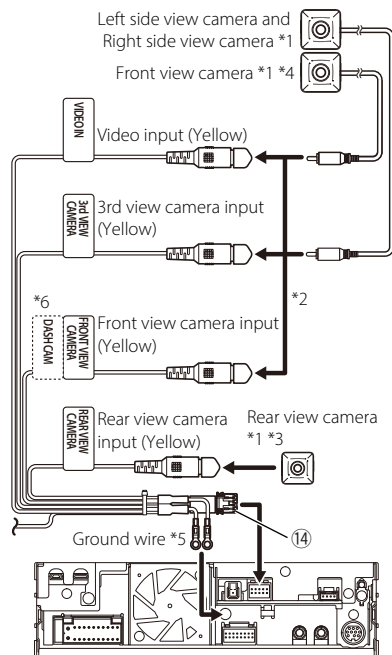
Connecting a USB device



*1 USB maximum power supply current : DC 5 V
= 3.0 A

*2 Sold separately.

Connecting the camera



*1 Sold separately.

*2 Up to 3 cameras of Front view camera, Left side view camera and Right side view camera can be connected. For more information, see **To set up the camera assignment settings (P.84)**.

*3 For HD video, connect an HD camera to Rear view camera input terminal.

*4 For HD video, connect an HD camera to Front view camera input terminal.

*5 Secure both ground wires to the same terminal.

*6 Dashboard camera connection is not supported.

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.100)*.

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.129)*.

Cannot select a folder.

The random play function is enabled.

Turn off the random function.

The unit does not respond when you try to perform a operation during USB mirroring.

A connector is not properly connected.

Unplug the smartphone from the USB terminal, then reattach the smartphone again.

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.

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.

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/iPhone. Connect a USB device, and change the source to USB again.

Disconnected (iPhone, Bluetooth audio player)

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

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

No Media file

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

See *Playable Media and Files (P.133)* 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.

The speed sense wire is not connected. Please check the connection.

The speed pulse disconnection is detected. By default, it is treated as connected.

To improve precision of a vehicle position recognition, check the connection of the speed pulse.

Troubleshooting

Starting tuner failed.

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

Turn the power off and on again. If the “Starting tuner failed.” message does not disappear, contact your nearest JVC dealer.

Audio output has stopped due to an error. Please restart the system.

If the issue persists, contact customer support.

An error causes audio output to stop.

Reset the system. If resetting the system does not resolve the issue, please contact the customer support center.

SiriusXM

SAT Antenna Error

No antenna is connected to the SXV300 Vehicle Tuner.

Check that an antenna is connected to the SXV300 Vehicle Tuner. Check antenna for damages.

SAT Hardware Error

Either the SXV300 Vehicle Tuner is not connected or has an error.

Verify that the SiriusXM Connect Vehicle Tuner cable is securely connected to the radio.

When the internal temperature of the SXV300 Vehicle Tuner rises too high, 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 SXV300 Vehicle Tuner.

Something went wrong

The Audio signal was not read.

Try another channel.

Channel Not Available

The currently selected channel is unavailable.

Visit www.siriusxm.com for more information about the SiriusXM channel lineup.

No Satellite Signal

No satellite signal was received at startup.

Verify that your vehicle is outdoors with a clear view of the sky.

No Internet Signal

The device did not connect to the internet at startup.

Check whether it is connected to a Wi-Fi network.
(P.50)

Slow Network Connection

The internet connection is slow.

Check the network settings.

Episode Not Available

That episode of the podcast cannot be played.

Visit www.siriusxm.com for more information about the SiriusXM contents lineup.

Station Not Available

That Pandora station is not available.

Visit www.siriusxm.com for more information about the SiriusXM contents lineup.

Apple CarPlay

The GPS antenna must be connected to use Apple CarPlay wirelessly. Please verify the proper connections or plug in by USB to use Apple CarPlay.

The GPS antenna is not connected when the Apple CarPlay is started by connecting wirelessly or when the iPhone compatible with wireless Apple CarPlay is registered in [Device List].

Check the connection of the GPS antenna or plug in over USB to use Apple CarPlay.

Appendix

Playable Media and Files

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

About files

The following audio and video files are supported.

Playable Audio files

	Format	Bit rate	Sampling frequency	Bit count
AAC-LC (.m4a)	MPEG-2/MPEG-4 AAC LC HE-AAC(V1,V2)	8 – 320kbps, VBR	16 – 48 kHz	16 bit
MP3 (.mp3)	MPEG-1/MPEG-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 – 192 kHz	16 bit/24 bit
FLAC (.flac)	flac	–	16 – 192 kHz	16 bit/24 bit
Vorbis (.ogg)	vorbis	–	16 – 48 kHz	16 bit

- WMA and AAC files with DRM cannot be played.
- 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

Limitation on structure of file and folder

	USB device
Maximum number of folder layers	8
Maximum number of files (per folder)	9999

Appendix

	USB device
Maximum number of folders (per folder)	9999
Maximum number of folders (per device)	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.

Specifications

■ Monitor section

Picture Size

KW-Z1001W/KW-Z1000AW

: 10.1 inches (diagonal) wide

: 223.7 mm (W) × 125.8 mm (H)

8-13/16 × 4-15/16 inch

KW-Z800AW

: 8.0 inches (diagonal) wide

: 176.64 mm (W) × 99.36 mm (H)

6-15/16 × 3-15/16 (inch)

Display System

: LCD panel

Drive System

: TFT active matrix system

Number of Pixels

: 2,764,800 (1280H × 720V × RGB)

Effective Pixels

: 99.99 %

Pixel Arrangement

: RGB striped arrangement

Back Lighting

: LED

■ USB interface section

Connector type

: Type-C

USB Standard

: USB 2.0 High Speed

File System

: FAT16, FAT32, exFAT, NTFS

Maximum Power Supply Current

: DC 5 V = 3.0 A

D/A Converter

: 24 bit / 32 bit

Audio Decoder

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

Video Decoder

: MPEG-1 / MPEG-2 / MPEG-4 / WMV / H.264 / MKV

Frequency Response

- 192 kHz : 20 – 88,000 Hz

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

Total Harmonic Distortion

: 0.01 % (1 kHz)

S/N Ratio (dB)

: 98.5 dB

Dynamic Range

: 89 dB

■ Wireless Mirroring section

Mode

: Sink

Copyright protection

: HDCP2.2

Touch Control

: UIBC

■ Wi-Fi section

IEEE Standard

: 802.11 a/b/g/n/ac

Frequency Range

: Dual Band (2.4GHz/5GHz)

Channels

: Auto (1-11ch) / Auto (149,153,157,161ch)

Transfer rates (MAX)

: 11a: 54 Mbps / 11b: 11 Mbps / 11g: 54 Mbps /
11n: 300 Mbps / 11ac: 867 Mbps

■ Bluetooth section

Technology

: Bluetooth Ver.5.2

Frequency

: 2.402 – 2.480 GHz

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)

Appendix

- PBAP (Phonebook Access Profile)

■ HDMI section

HDMI

: Type-D

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 bit/20 bit/24 bit Linear PCM

■ 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

2-way X'Over

- High pass filter
 - Frequency: Through,
30/40/50/60/70/80/90/100/120/150/180/2
20/250 Hz
 - Slope: -6/-12/-18/-24 dB/Oct.
- Low pass filter
 - Frequency:
30/40/50/60/70/80/90/100/120/150/180/2
20/250 Hz, Through
 - Slope: -6/-12/-18/-24 dB/Oct.

3-way 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
 - Frequency: 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 – 20.01 ft (0.03 or 0.04 ft Step)
- Gain
: -8 – 0 dB

Subwoofer level

: -50 – +10 dB

■ Digital FM tuner section

Frequency Range (step)

: 87.9 MHz – 107.9 MHz (200 kHz)

Frequency Response (± 3.0 dB)

: 20 Hz – 20 kHz

S/N Ratio

: 80 dB (STEREO)

■ Digital AM tuner section

Frequency Range (step)

: 530 kHz – 1700 kHz (10 kHz)

Frequency Response (± 3.0 dB)

: 40 Hz – 15 kHz

S/N Ratio (dB)

: 80 dB (STEREO)

■ FM tuner section

Frequency Range (step)

: 87.9 MHz - 107.9 MHz (200 kHz)

Usable Sensitivity (S/N : 30 dB)

: 7.3 dBf (0.7 μ V/75 Ω)

Frequency Response

: 30 Hz – 15 kHz

S/N Ratio (dB)

: 70 dB (MONO)

Selectivity (± 400 kHz)

: 80 dB

Stereo Separation

: 45 dB (1 kHz)

■ AM tuner section

Frequency Range (step)

: 530 kHz - 1700 kHz (10 kHz)

Usable Sensitivity

: 30dBμ

■ Video section**Color System of External Video Input**

: NTSC/PAL

External video input level (RCA jacks)

: 1 Vp-p/75 kΩ

Video Input Level (RCA jacks)

: 1 Vp-p/75 Ω

Video Output Level (RCA jacks)

: 1 Vp-p/75 Ω

■ Audio section**Maximum Power (Front & Rear)**

: 50 W × 4

Typical Power Output (Front & Rear)

: 29 W × 4 (4 Ω, 1 kHz, 10% THD)

Output frequency band

: 20 – 88,000 Hz

Preout Level (V)

: 4 V / 10 kΩ

Preout Impedance

: ≤ 300 Ω

Speaker Impedance

: 4 – 8 Ω

External Audio Max Input Level (RCA jacks)

: 2 V / 22 kΩ

■ General**Operating Voltage**

: 12 V DC car battery

Dimensions (W × H × D)

- Chassis
KW-Z1001W
: 178 × 50 × 158 mm
7 × 2 × 6-1/4 inch
KW-Z1000AW/KW-Z800AW
: 178 × 50 × 105 mm
7 × 2 × 4-1/8 inch
- Monitor
KW-Z1001W/KW-Z1000AW
: 262 × 181 × 52 mm
10-5/16 × 7-1/8 × 2-1/16 inch
KW-Z800AW
: 190 × 120 × 28 mm

7-1/2 × 4-3/4 × 1-1/8 inch

Weight

KW-Z1001W

: 2.5 kg (5.6 lbs)

KW-Z1000AW

: 2.1 kg (4.5 lbs)

KW-Z800AW

: 1.4 kg (3.1 lbs)

- Chassis
KW-Z1001W
: 1.3 kg (2.9 lbs)
KW-Z1000AW/KW-Z800AW
: 0.8 kg (1.8 lbs)
- Monitor
KW-Z1001W/KW-Z1000AW
: 1.1 kg (2.4 lbs)
KW-Z800AW
: 0.6 kg (1.3 lbs)

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 are subject to change without prior notice.

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Safety Information

■ FCC CAUTION

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

NOTE

- This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
- This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

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

■ ISED CAUTION

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

CAUTION

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Supplier's Declaration of Conformity

Trade Name: JVC
 Products: MONITOR WITH RECEIVER
 Model Name: KW-Z1001W/KW-Z1000AW/KW-Z800AW
 Responsible Party: JVC KENWOOD USA CORPORATION
 4001 Worsham Avenue, Long Beach, CA 90808, U.S.A.
 PHONE : 1-800-252-5722

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

1. THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
2. THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

■ Información acerca de la eliminación de equipos eléctricos y electrónicos al final de la vida útil (aplicable a los países que hayan adoptado sistemas independientes de recogida de residuos)



Los productos con el símbolo de un contenedor con ruedas tachado no podrán ser desechados como residuos domésticos.

Appendix

Los equipos eléctricos y electrónicos al final de la vida útil, deberán ser reciclados en instalaciones que puedan dar el tratamiento adecuado a estos productos y a sus subproductos residuales correspondientes. Póngase en contacto con su administración local para obtener información sobre el punto de recogida más cercano. Un tratamiento correcto del reciclaje y la eliminación de residuos ayuda a conservar los recursos y evita al mismo tiempo efectos perjudiciales en la salud y el medio ambiente.

■ Informação sobre a eliminação de pilhas

Este produto não deve ser eliminado como lixo doméstico geral. Devolva a pilha usada ao revendedor ou entidade autorizada para que a mesma seja devolvida ao fabricante ou importador.

A reciclagem e a eliminação de lixo de maneira apropriada ajudarão a conservar os recursos naturais ao mesmo tempo que prevenirão os efeitos prejudiciais à nossa saúde e ao meio ambiente.

■ Para cumplimiento de la IFT:

La operación de este equipo esta sujeta a las siguientes dos condiciones:

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operación no deseada.

For KW-Z800AW

■ CALIFORNIA, USA

This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material – special handling may apply.

See www.dtsc.ca.gov/hazardouswaste/perchlorate.

JVC