KENWOOD

DMX8710S

MONITOR WITH RECEIVER
INSTRUCTION MANUAL

JVCKENWOOD Corporation

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

Made for iPhone

Works with Apple CarPlay

Android Auto

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE

Bluetooth®

Wi Fi® CERTIFIED

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Before Use

Precautions

⚠ WARNINGS

To prevent injury or fire, take the following precautions:

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

Precautions on using this unit

- When you purchase optional accessories, check with your KENWOOD dealer to make sure that they work with your model and in your area.
- You can select a language to display menus, audio file tags, etc. See ***System Setup***.
- The Radio Data System or Radio Broadcast Data System feature won't work in areas where the service is not supported by any broadcasting station.

Protecting the monitor

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

Cleaning the unit

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

NOTE

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

Acquiring GPS signal

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

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

Caution for Smartphone Users

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

For best results while pairing with your KENWOOD receiver, please be sure to close any unused applications.

How to read this manual

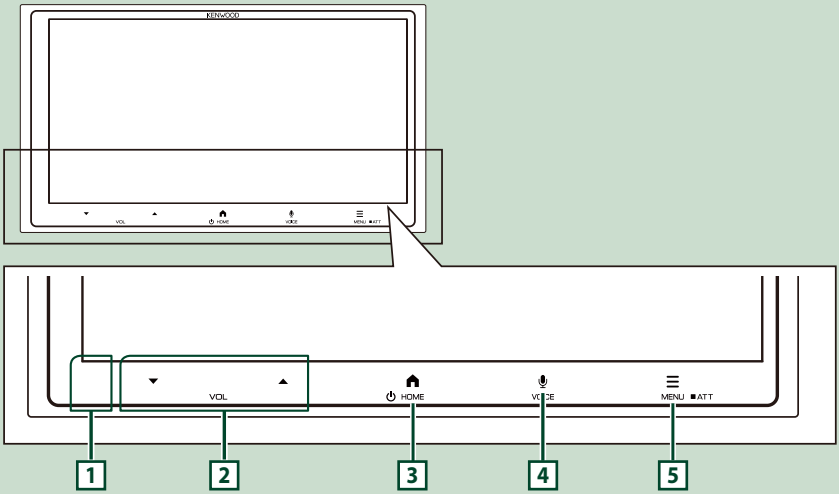
- The screens and panels shown in this manual are examples used to provide a clear explanation of operations.
  For this reason, they may be different from the actual screens or panels, or some display patterns may be different from the actual ones.
- **Display language**: English is used for the purpose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

Disposal notes

- Do not dispose of your old unit/batteries in the household trash.
- Use the return and collection systems available to dispose of the old device.
- To protect your privacy, please clear your personal information before discarding the device.

Basic Operations

Functions of the Buttons on the Front Panel



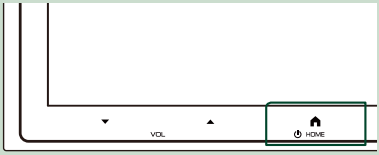
NOTE

- The 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 panels.

Number	Name	Motion
1	Remote Sensor	• Receives the remote control signal.
2	▼, ▲ (Volume)	• Adjusts the volume. • ATT state: Release ATT • Pressing and holding, decrease/increase the volume level continuously. Note: The incremental increase will not exceed a maximum level of 15.
3	⌂/⏻/ (HOME)	• Displays the HOME screen. • When the power is off, turns the power on. • When the power is on, press and hold to display a black screen.
4	🎤 (VOICE)	• Switches the voice recognition function on/off. • When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, pressing and holding displays Bluetooth pairing waiting dialog.
5	☰/ATT (MENU)	• Displays the popup menu screen. • Pressing and holding, switches attenuation of the volume on/off.

Turning on the Unit

1 **Press the ⌂ / ⏻ button.**



➤ The unit is turned on.

NOTE

- If it is your first time to turn the unit on after installation, it will display Caution interface. Please check the information and touch **Agree**.

● **To turn off the unit:**

1 **Press and hold the ⌂ / ⏻ button.**

➤ The screen is turned off and the unit enter standby mode.

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.

Touch the area of **Language**.

Select the desired language in the list.

■ 24H Format

Set the time format of the unit.

When this function is enabled, the unit displays time in 24-hour format.

■ Time zone

Touch the area of **Time zone**.

Select the time zone of your region in the list.

■ Rear Camera Interruption

Touch to turn on or off the function.

When this function is enabled, the unit displays the camera view when reversing.

■ Parking Guidelines

Touch to turn on or off the function.

When this function is enabled, the unit displays the camera view when reversing.

■ Guidelines Setup

Touch to enter the reverse guidance line setting screen.

When **Parking Guidelines** is OFF, this function is invalid.

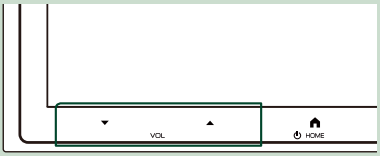
2 **Touch Finish.**

NOTE

- These settings can be made from the **SETUP** menu.

Adjusting the volume

You can adjust the volume (0 to 40).
Press ▲ to increase, and press ▼ to decrease.

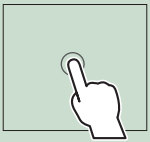


Touch screen operations

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.

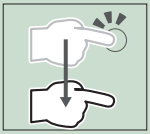
● **Flick**

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.

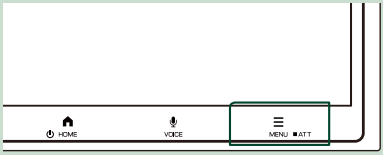
● **Swipe**

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



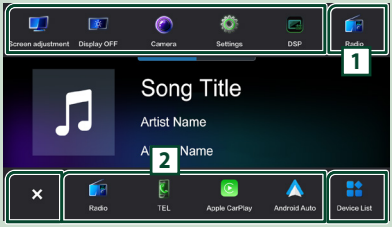
Popup menu

1 **Press the ☰/ATT button.**



➤ Popup menu appears.

2 **Touch to display the popup menu.**

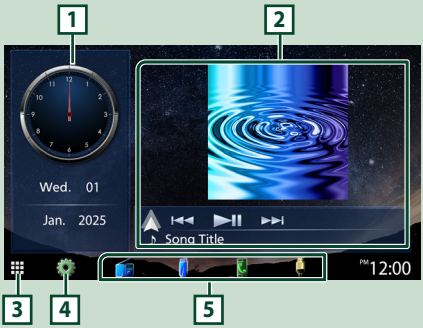


The contents of the menu are as follows.

Screen adjustment	• Displays the Screen Adjustment screen.
Display OFF	• Touch to turn the screen off.
Camera	• Displays the camera screen.
Settings	• Displays the Settings Menu.
DSP	• Displays the DSP menu.
×	• Close the popup menu.
Device List	• Displays the Bluetooth settings menu.
1	• Display Last Media Source button.
2	• Display four shortcut function buttons.

HOME screen descriptions

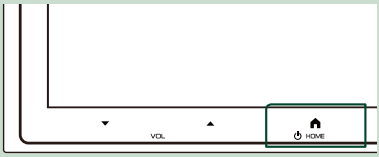
Most functions can be performed from the HOME screen.



1	• Display time information, touch to enter the time setting interface.
2	• Display current audio source (music/radio) information and support control.
3	• Click to enter All Source interface.
4	• Click to enter Settings interface.
5	• Display four application icons, touch to enter the corresponding function interface.

Display the HOME screen

1 Press the ⌂ / ⏻ button.

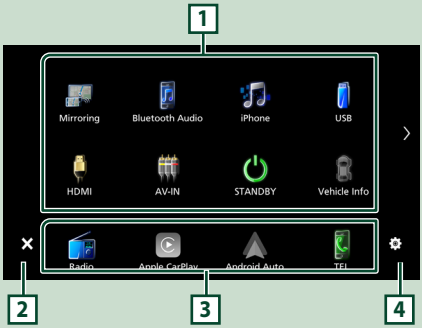


➤ HOME screen appears.

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	• Display function icons except for the 5 functions in the bottom bar.
2	• Returns to the previous screen.
3	• Display four shortcut function buttons.
4	• Displays the Settings screen.

Select the playback source

1 Press the ⌂ / ⏻ button.
➤ HOME screen appears.

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

Digital Radio	• Displays Digital Radio screen. (Available only in certain regions.)
Apple CarPlay	• Switches to the Apple CarPlay screen from the connected iPhone.
Android Auto	• Switches to the Android Auto screen from the connected Android smartphone.
TEL	• Displays the Hands-Free screen. When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, displays Bluetooth pairing waiting dialog. *1
Mirroring	• Displays the Wireless Mirroring screen.
Radio	• Displays Radio screen.
Bluetooth Audio	• Plays a Bluetooth audio player.
iPhone	• Plays an iPod/iPhone.
USB	• Plays files on a USB device.
HDMI	• Displays HDMI screen.
AV-IN	• Switches to an external component connected to the AV Audio input and the Video input terminal. *2
STANDBY	• Turns off the screen.
SiriusXM	• Displays SiriusXM mode screen. (Available only in certain regions.)
Vehicle Info	• Displays Vehicle Informations. (Available only in certain regions.)
Satellite Radio	• Displays Satellite Radio screen. (Available only in certain regions.)
Media Player	• Displays Media Player screen. (Available only in certain regions.)
Bluetooth Streaming	• Displays Bluetooth Streaming screen. (Available only in certain regions.)
Radar Detector	• Displays Radar Detector screen. (Available only in certain regions.)
Gauges	• Displays Gauges screen. (Available only in certain regions.)
Climate	• Displays Climate screen. (Available only in certain regions.)
Parking Assist	• Displays Parking Assist screen. (Available only in certain regions.)

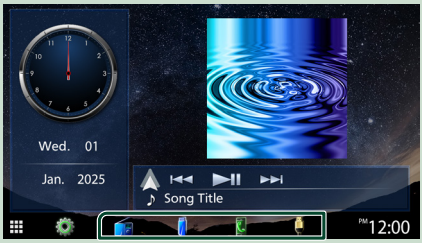
- For sources and information displayed when an iDatalink is connected.

*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 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.

- Due to different configurations, the function icons may vary.

To select the playback source on the HOME screen



The 4 items displayed on the bottom side of the source selection screen are shown on the HOME screen.

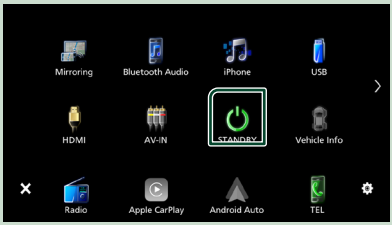
You can change the items displayed on this area by customizing the source selection screen.

STANDBY source

1 **Press the ⌂ / ⏻ button.**
➤ HOME screen appears.

2 **Touch ⠿.**

3 **Touch STANDBY.**



Customize Short-cut source icons

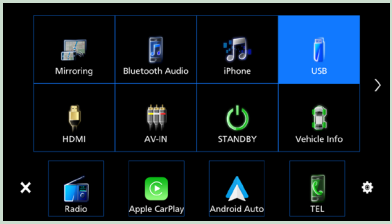
You can arrange the positions of the source icons as you like.

1 **Press the ⌂ / ⏻ button.**
➤ HOME screen appears.

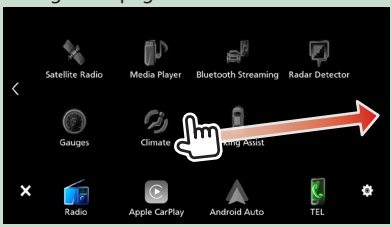
2 **Touch ⠿.**

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

4 **Touch the desired position.**



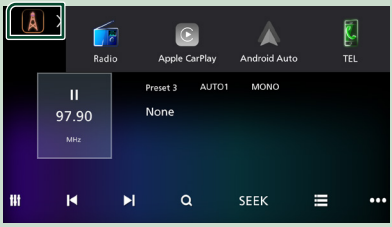
Changes the page



- Due to different configurations, the function icons may vary.

Short-cut Menu

At each playing mode, touch top left corner of the screen to pop up Shortcut Menu.



The screen will display four shortcut function buttons consistent with the HOME screen.

Common screen

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

Display the list screen

For USB/iPhone:

1 **Touch ☰ in the source control screen.**
➤ The list screen appears.

Display the DSP screen

For audio screen:

1 **Touch ⫶ in the source control screen.**
➤ The EQ/SW setting screen appears.

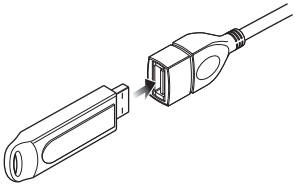
NOTE

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

USB

Connecting a USB device

1 Connect the USB device with the USB cable.



2 Press the ⌂ / ⏻ button.
➤ HOME screen appears.

3 Touch ▦.

4 Touch USB.

Disconnect the USB device

1 Press the ⌂ / ⏻ button.
➤ 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

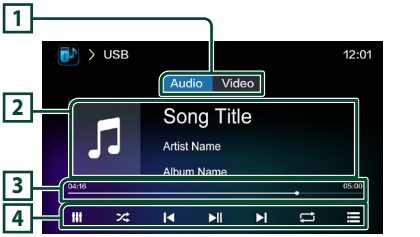
NOTE

- 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.

Audio Control screen



USB partition

Open the List screen

1 Audio/Video

- Touch to enter Audio/Video playback screen.

2 Track information

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

3 Play mode indicator/Playing time

- For confirmation of current playing position. You can drag the circle left or right to change the playing position.

4 Operation keys

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

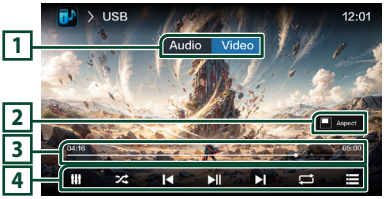
5 USB partition list

- Touch the ☰ of the screen to display USB partitions (only contain music file), up to a maximum of 5 partitions.
- The section containing the currently playing song is highlighted.

6 Content list

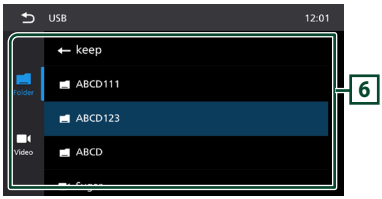
- Touch one section of the USB partition list to display the Content list. When you touch a track/file name on the list, playback will start.
- : Display all folders containing audio files.
- : Search a file of the same artist/album/genre with the audio file playing
- : Search a file by its category (only for audio files)

Video Control screen



USB partition

Open the List screen



1 Audio/Video

- Touch to enter Audio/Video playback screen.

2 Aspect

- Touch to switch screen display proportions: Auto, Full, Normal.

3 Play mode indicator/Playing time

- For confirmation of current playing position. You can drag the circle left or right to change the playing position.

4 Operation keys

- ⏮ ⏭ : Searches the previous/next file.
- ⏯ : Plays or pauses.
- 🔁 : Repeats the current file/folder. Each time you touch the key, repeat modes are switched in the following sequence:
  Repeat File, Repeat Folder, Repeat All
- 🔀 : Randomly plays all files. Each time you touch the key, random modes are switched in the following sequence: Random Folder,, Random off.

5 USB partition list

- Touch the ☰ of the screen to display USB partitions (only contain video file), up to a maximum of 5 partitions.
- The section containing the currently playing song is highlighted.

6 Content list

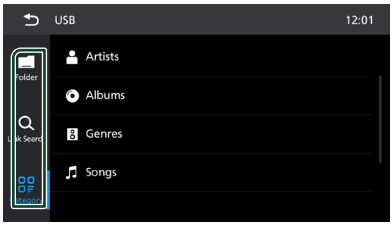
- Touch the ☰ of the screen to display the Content list. When you touch a file name on the list, playback will start.
- : Display all folders containing video files.
- : Display all video files.

Search Operation

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

1 Touch ☰.

2 Select a list type.

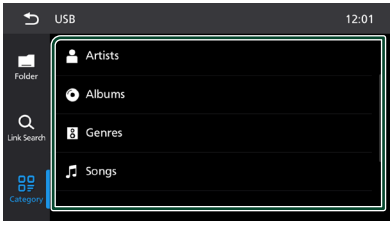


Category search

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.

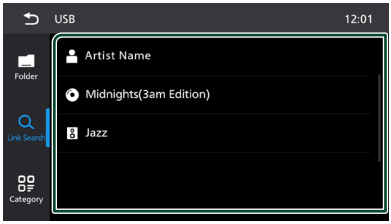
3 Touch to select the desired item in the list. Repeat this step until you find the desired file.

Link search (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, 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**.

When you touch a folder its contents are displayed.

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

NOTE

- By connecting your iPhone to this unit with the iPhone connection cable (optional accessory), 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 connection cable (optional accessory) 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.
- Plug the iPhone into the USB terminal with the connection cable (optional accessory).
- Only one iPhone can be connected.

1 Connect the iPhone using the connection cable.

2 Press the ⌂ / ⏻ button.

➤ HOME screen appears.

3 Touch ▦.

4 Touch iPhone.

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

1 Detach the iPhone.

Bluetooth connection

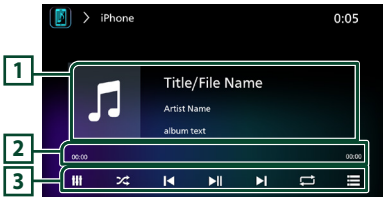
Pair the iPhone through Bluetooth.

Preparation

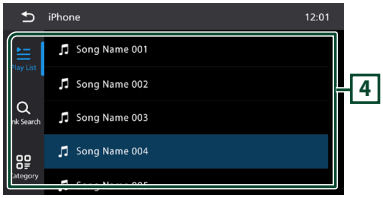
- To connect an iPhone via Bluetooth, register it as a Bluetooth device and do the profile setting for the connection beforehand. See ***Register the Bluetooth device*** and ***Switch the connected device***.
- Connect an iPhone via Bluetooth while Apple CarPlay and an iPhone are not connected via USB.
- 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.

iPhone Basic Operation

Control screen



Open the List screen



1 Track information

- Displays the current playing song ID3 information:
  a. Album cover
  b. Song name
  c. Singer name
  d. Album name

2 Play mode indicator/Playing time

- For confirmation of current playing position. You can drag the circle left or right to change the playing position.

3 Operation keys

- ⏮ ⏭ : Searches the previous/next file. Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)
- ⏯ : Plays or pauses.
- 🔁 : Repeats the current file. Each time you touch the key, repeat modes are switched in the following sequence:
  Repeat File, Repeat Off, Repeat All
- 🔀 : Randomly plays all tracks. Each time you touch the key, random modes are switched in the following sequence: Random All, Random off
- ☰ : Touch to display the Content list.

4 Content list

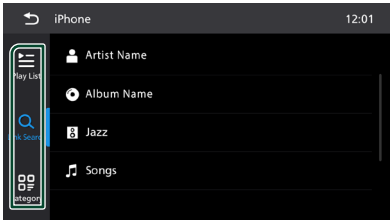
- ☰ Play List: display the tracks in the current playlist
- 🔍 Link Search: Search a file of the same artist/album/genre with the audio file playing
- ▦ Category: Search a file by its Artists, Albums, Genres Composers.

Search Operation

You can search music files by the following operations.

1 Touch ☰.

2 Select a list type.

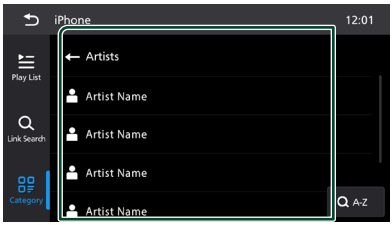


Category search

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.

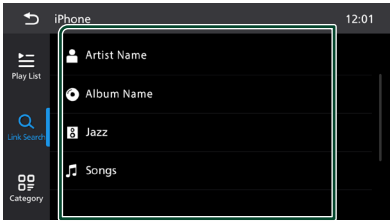
3 **Touch to select the desired item in the list. Repeat this step until you find the desired file.**

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.**



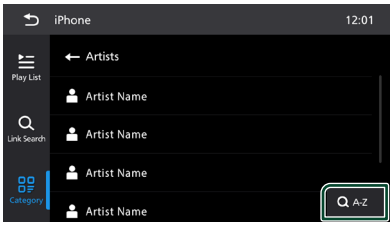
➤ The list corresponding to your selection appears.

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

Alphabet search

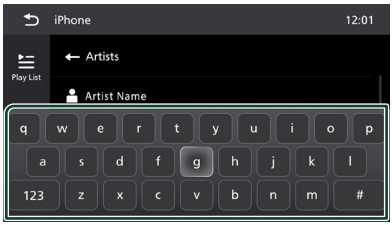
You can search for a file by Alphabet.

1 Touch **Category List**.



2 Touch A-Z.

➤ The English keyboard appears.



3 **Search through English Alphabet, numbers and symbols.**

APPS

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

Connecting an iPhone

Wired connection

1 Connect your iPhone via the USB terminal.

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.

Wireless connection

You can select the iPhone registered in **Device List** and use it as the Apple CarPlay device. See ***Register the Bluetooth device***

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.
- 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.
- Touch the following connection message if the message appears.

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.

Select an Apple CarPlay device

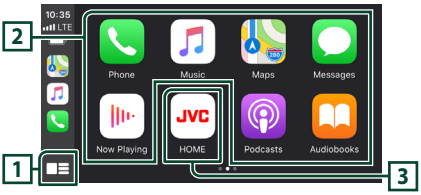
If two or more iPhone compatible with Apple CarPlay have been registered, select the iPhone to be used as the Apple CarPlay source. See ***Switch the connected device***.

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.



1 *

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

2 Application keys

Starts the application.

3 HOME

Exits the Apple CarPlay screen and displays the HOME screen.

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

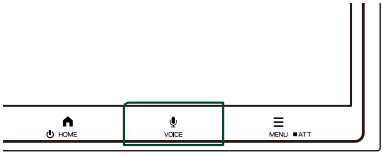
To exit the Apple CarPlay screen

1 **Press the ⌂ / ⏻ button.**
➤ HOME screen appears.

Use Siri

You can activate Siri.

1 **Press the 🎙 button.**



2 **Talk to Siri.**

To deactivate

1 **Press the 🎙 button.**

Switch to the Apple CarPlay screen while listening to another source

1 **Press the ⌂ / ⏻ button.**

2 **Touch ▦.**

3 **Touch Apple CarPlay.**

NOTE

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

Android Auto™ Operation

Android Auto enables you to use the functions of your Android 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/***.

Compatible Android smartphones

You can use Android Auto with Android smartphones of Android version 5.0 or later.

For Wi-Fi connection, Android 8.0 or later.

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.

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 smartphone is connected via Bluetooth automatically, and the Bluetooth Hands-Free phone currently connected is disconnected.

2 Unlock your Android smartphone.

3 Press the ⌂ / ⏻ button.

4 Touch ▦ .

5 Touch Android Auto .

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***.

1 Press the ⌂ / ⏻ button.

2 Touch ▦.

3 Touch Android Auto.

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.
- When the Wi-Fi connection becomes unavailable, the HOME screen is displayed.

Select an Android smartphone

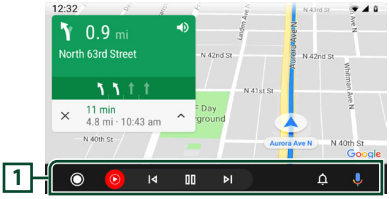
If two or more Android smartphones have been registered, select the Android smartphone to be used as the Android Auto source. See ***Switch the connected device***.

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.



1 Navigation bar

Starts the application or displays information.

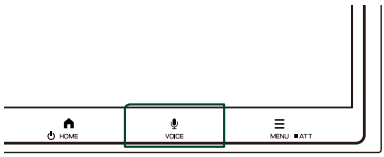
To exit the Android Auto screen

1 **Press the ⌂ / ⏻ button.**

➤ HOME screen appears.

Using voice control

1 **Press the 🎤 button.**



2 **Start speaking.**

NOTE

- When you press and hold the 🎤 button while inputting voice, you can start over from the beginning.

To cancel

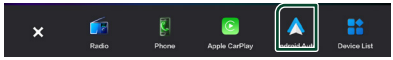
1 **Press the 🎤 button.**

Switch to the Android Auto screen while listening to another source

1 **Press the ☰/ATT button.**

➤ Popup menu appears.

2 **Touch Android Auto.**



NOTE

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

Mirroring Operation

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

Preparation

- Use USB cable to connect mobile phone. Or use your iPhone or Android smartphone to scan the QR Code in the App to establish a wireless connection.
- You can use the Mirroring function with phones compatible with this function.
- The settings on your phone differ depending on the device type. For details, refer to the instruction manual supplied with your phone.
- If your phone is locked, Mirroring screen may not appear.

1 Press the ⌂ / ⏻ button.

➤ HOME screen appears.

2 Touch ▦.

3 Touch Mirroring.

➤ The App screen is displayed.

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

5 Select "DMX**" as the network to use.**

➤ When the connection is established, then the same screen displayed on the phone is displayed.

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.

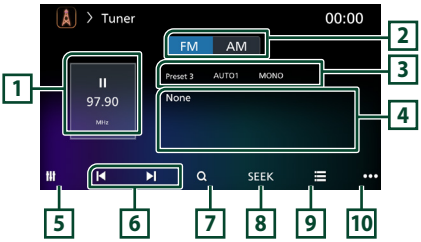
Radio

Radio Basic Operation

Most functions can be controlled from the source control screen.

To listen to the Radio source, touch **Radio** icon on the source selection screen.

Control screen



1 Radio frequency

- Display radio frequency.
- Touch to pause/output radio sound.

2 Band keys

Switches bands (between FM and AM).

3 Indicator Items

- **Preset #** : The channel number in the preset radio station list.
- **AUTO1, AUTO2, MANU**: SEEK mode
- **MONO**: Displayed when the MONO switch is on (can be selected to reduce background noise when the stereo signal is poor).
- **TI** : Indicates the reception state of traffic information. Displayed when the TI switch is on.
- **AF**: Indicates the Alternative Frequency. Displayed when the AF switch is on.

4 Information display

Displays the name and information of the current station.

5 DSP

Touch to display the DSP screen.

6 Tune

Touch to tune in a station

7 Search

Search for the best signal radio station in the current band and store it in the preset radio station list.

8 Seek

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.

9 Radio List

Enter Radio List interface.

- Touch to recall the memorized station.

10 More buttons

Touch to pop up more buttons:

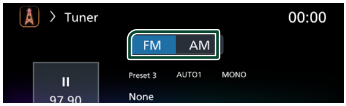
- **RDS Settings** : Touch to pop up the RDS settings interface. For details, see **RDS SETUP** .
- **Add Station** : Touch to pop up the manual input frequency keyboard.

Memory Operation

Auto memory (AME/SSM)

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

1 Touch desired band key.



2 Touch on the bottom side of the screen.

➤ Auto memory starts.

Selecting Operation

Preset select

You can list and select memorized stations.

1 Touch on the bottom side of the screen.

2 Touch FM# (#:1-15) or AM# (#:1-5) in which you want to recall.

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 bottom side of the screen.

2 Touch PTY.

3 Select a program type from the list.

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

RDS SETUP (FM only)

RDS transmits data to the radio which displays information such as name station, song artist, and song title. RDS service availability varies with areas.

1 Touch ••• on the bottom side of the screen.

2 Touch RDS Settings on the pop up menu.

3 Set each function as follows.

■ **RDS**

Switch RDS to On or OFF. Default is "ON".

When the RDS function is turned off, **TI**, **AF**, **REG**, **RT** are closed and cannot be clicked.

■ **TI**

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

■ **AF**

When station reception is poor, automatically switches to the station that is broadcasting the same program over the same Radio Data System network.

■ **REG**

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

■ **RT**

When the RT function is turned on, Radio Text informations are being received.

■ **MONO**

Switch MONO to On or OFF.

When turned on, forcibly switches to mono when the stereo signal of the radio station is weak.

(Note: The MONO switch is a non RDS function and can be used normally when RDS is turned off)

■ **Local**

The function may not be available due to local reasons.

On: Lower detection sensitivity and detect stations at frequencies with better signal strength.

Off: Standard detection level.

SiriusXM®

SiriusXM® Basic Operation

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.

To listen to the SiriusXM source, touch the **SiriusXM** icon on the source selection screen.

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 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

NOTE

- To use SiriusXM® Satellite Radio, the optional accessory is necessary.

Now Playing screen

1 Function panel

- : Touch to enter For You screen
- : Touch to enter Categories screen
- : Touch to enter Profiles & Settings screen

2 Information display

- Displays the information on the current
  Channel number
  Channel Name
  Artist Name
  Track Name

3 Operation keys

- ◀CH CH▶ : Touch to enter Linear Tuner screen
- ⏮ : Skip Back
- ▶II : Play/Pause
- ⏭ : Skip Forward
- : Touch to set Notifications
- : Touch to enter Related screen
- : Touch to enter Listening History screen
- : Touch to enter EQ/SW Level interface

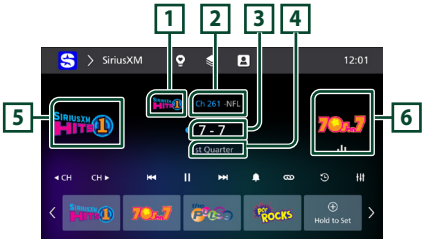
4 Preset list

- Recalls the memorized channel.
- When touched for 2 seconds, stores the currently being received channel in the memory.

5 Artwork

Displays the album artwork for most SiriusXM music channels

Sports Play-by-Play



1 League Logo

- Displays the League Logo or Channel Logo.
- If the Channel or League Logo is not available, displays the League Short Name.

2 Channel number

- Displays current Channel number
- Displays the Game Name if available.

3 Score

- Displays Current score for the game.

4 Game Time

- Displays Game Time.

5 Away Team Logo

- If Away Team is selected, touch the logo to switch to National play-by-play audio.
- If Away Team is not selected, touch to switch to Away Team play-by-play audio.

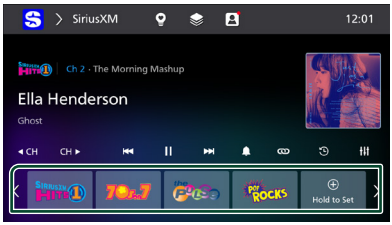
6 Home Team Logo

- If Home Team is selected, touch the logo to switch to National play-by-play audio.
- If Home Team is not selected, touch to switch to Home Team play-by-play audio.

Storing Channels in Preset Memory

You can store the current channel or team in memory.

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



2 Touch a preset icon on the bottom side of the screen for 2 seconds to store current channel.

3 If you want to add Team to the preset list, touch a preset icon on the bottom side of the screen for 2 seconds, then select League/Channel, Away team or Home team to store.

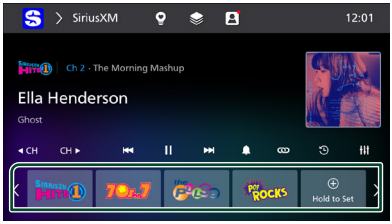
NOTE

- Flick left or right on the preset area to show more icons.

Preset select

To select from the preset list

1 Touch a preset icon on the bottom side of the screen.

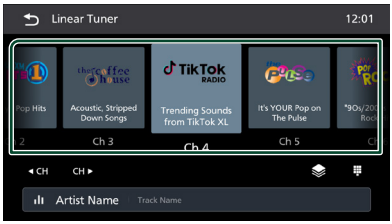


Liner Tuner

Browse the channel list

1 Touch ◀CH or CH▶ to enter Linear Tuner screen.

2 Flick left or right on the middle area of the Liner Tuner screen to browse the channel list.



Touch **CH▶**, the next channel will be centered and selected.

Touch **◀CH** , the previous channel will be centered and selected.

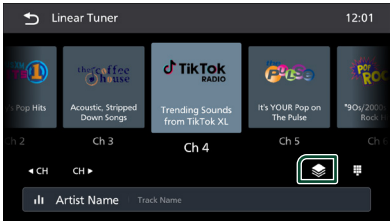
Touch ⮌ to return to SiriusXM playing screen.

NOTE

- If there is no operation for more than 10s, the unit will return to playing screen automatically.

Category Filter Menu

1 Touch ◈ to show category filter menu.

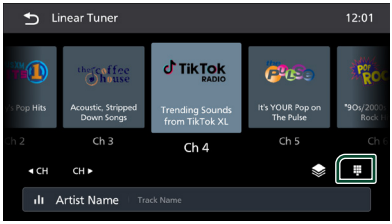


2 Touch **Music**, **Sports**, **News** or **Talk** to select/deselect the category.

Direct search

You can tune in a channel directly.

1 Touch ⠿ to show Direct Tune screen.



2 Enter the channel number and touch **OK**.

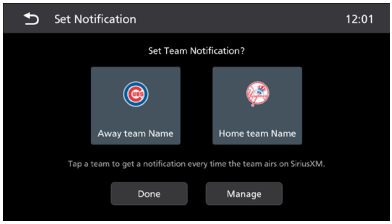
NOTE

- To clear the number you entered, touch ⌫.

Set Team Notification

1 Touch to enter Team Notifications screen.

2 Select a team and touch **Done** to get it's notifications every time.



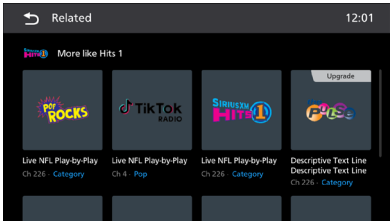
3 To Manage the Notification teams, touch **Manage**.

Related List

Browse the channel list

1 Touch to enter Related List screen.

2 Touch to play the Channel selected.

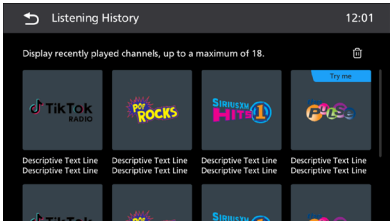


Listening History

Browse the channel list

1 Touch to enter Listening History screen.

2 Touch to play the Channel selected.

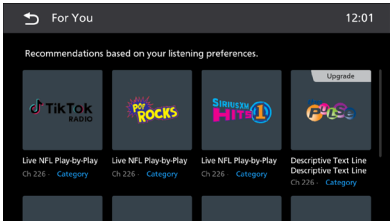


For You

Display the recommended Channels which are based on the Preset List.

1 Touch to enter For You screen.

2 Touch to play the Channel selected.



NOTE

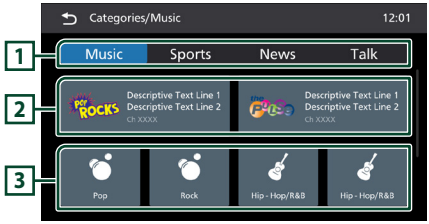
- Swipe up or down on the screen to show more contents.

Categories

You can specify the desired category and select a channel.

1 Touch to enter Categories screen.

2 Touch to select a Category.



1 Super Categories

Toggle the Super Categories: Music, Sports, News, and Talk.

2 Spotlight Recommendation

Touch the Tile will tune to the selected Channel on the Now Playing Screen.

3 Category List

Touch to enter 2nd level.

NOTE

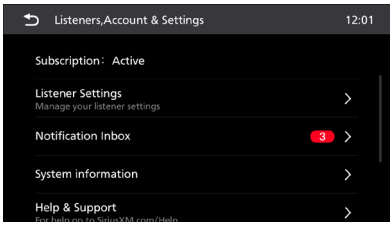
- Click on the super category in the Level 2 list screen to return to the Level 1 interface

Profile & Settings

You can adjust the Profile and Settings.

1 Touch to enter Profile & Settings screen.

2 Swipe up or down on the screen to show more contents.



1 Subscription

When not subscribed, it is displayed as: Inactive

Touch "Call SiriusXM" to enter Subscribe screen.

When subscribed, it is displayed as: Active

2 Listener Settings

Touch to enter "Listener Settings" screen.

- Sports Notifications: Touch to turn it ON or OFF. Default is ON.
- Manage Teams: Touch to enter Manage Teams Notifications screen.
- Block Explicit: Touch to turn it ON or OFF. Default is OFF.
  Turning on Block Explicit will hide all XL content (Channels, Shows, and Episodes) from the Listener's experience.
- Tune Start: Touch to turn it ON or OFF. Default is OFF.
  Turning on Tune Start will start songs at the beginning when you tune to a music channel.

3 Notification Inbox

Touch to enter "Notification Inbox" screen when there are active Notifications in the Inbox.

4 System Information

Touch to enter "System Information" screen.

5 Help & Support

Touch to enter "Help & Support" screen.

It shall be specified by SiriusXM.

6 SiriusXM Legal

Touch to enter "SiriusXM Legal" screen.

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. 5.3

Profiles
Smartphone/cell-phone:
HFP (V1.6) (Hands Free Profile)
SPP (Serial Port Profile)
PBAP (Phonebook Access Profile)

Audio player:
A2DP (Advanced Audio Distribution Profile)
AVRCP (V1.6.2) (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.

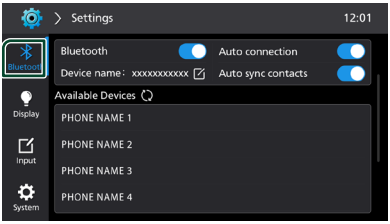
NOTE

- 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 iPod touch or iPhone is connected to this unit, an authentication dialog appears. Performing operation for authentication on this unit, or iPod touch or iPhone registers the smartphone as a Bluetooth device.

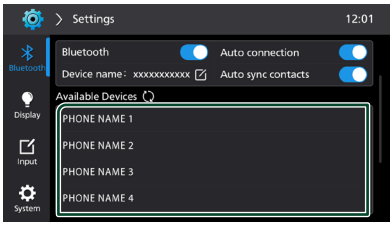
1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**

➤ Bluetooth setting menu appears.



3 **Touch ⟲ to search available devices.**



4 **Select a device from the list.**
Or search for the unit ("DMX**") from your smartphone/cell-phone.**

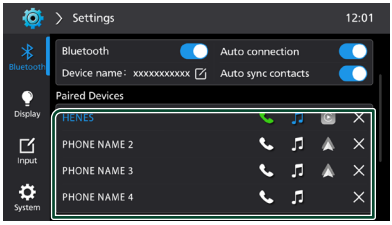
5 **Operate your smartphone/cell-phone according to the displayed messages.**

Switch the connected device

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

1 **Touch ⚙ to enter Bluetooth setting menu.**

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



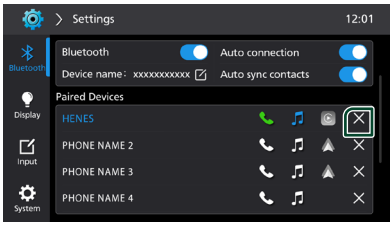
NOTE

- If the icon is lighted, it means that the unit will use that device.
- You can quickly display the Device List screen by touching **Device List** in the popup menu.

To delete the registered device

You can delete the device that is registered as Bluetooth source.

1 **Touch X on the Device List screen.**

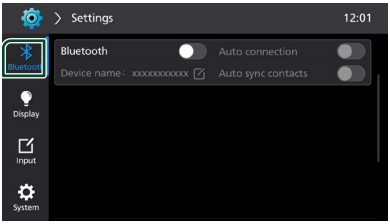


Bluetooth Setup

1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**

➤ Bluetooth setting menu appears.



3 **Touch the circle icon right to Bluetooth and set to ON.**

See the following section for each setting.

- Change the device name
- Turn on/off the **Auto connection**
- Turn on/off the **Auto sync contacts**

Change the device name

1 **Touch ✎ in the Bluetooth setting menu.**

➤ Change Device Name screen appears.

2 **Input the device name.**

3 **Touch OK.**

Playing the Bluetooth Audio Device

Most function can be controlled from the source control screen.

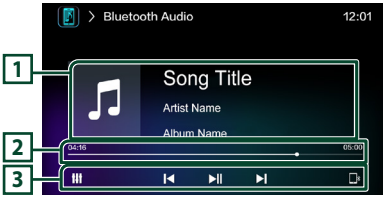
To select Bluetooth source, touch **Bluetooth** icon on the source selection screen.

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 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.

2 Play mode indicator/Playing time

- For confirmation of current playing position. You can drag the circle left or right to change the playing position.

3 Operation keys

- ⏮ ⏭ : Searches the previous/next track/file.
- ⏯ : Plays or pauses.

Using the Hands-Free Unit

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

NOTE

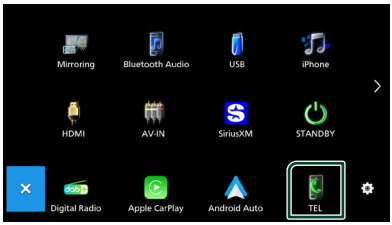
- While Apple CarPlay or Android Auto is connected, the Bluetooth Hands-Free function and cannot be used. Only the Apple CarPlay or Android Auto Hands-Free function can be used.

Make a call

1 **Press the ⌂ / ⏻ button.**

2 **Touch ▦.**

3 **Touch TEL.**

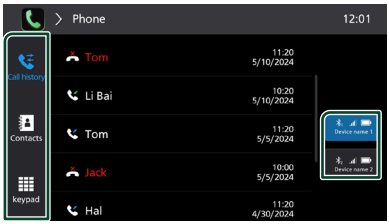


➤ Hands-Free screen appears.

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 2000 entries
  - Up to 100 entries including dialed calls, received calls, and missed calls

4 **Select a dialing method.**



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

● **Select the smartphone/cell-phone to use**

When you connect two smartphones/cell-phones

➤ Touch Device name 1 / Device name 2 to select the phone you want to use.

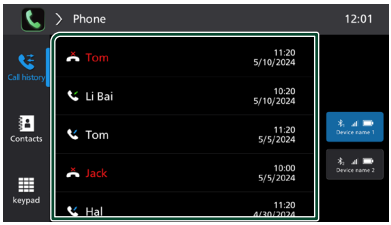
NOTE

- 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.**



Call using the phonebook

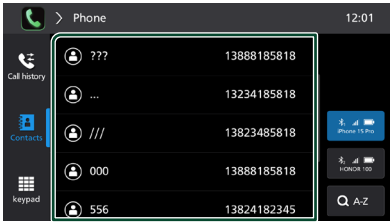
1 **Touch .**

2 **Touch A-Z.**

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.
- You can search through letters or numbers.

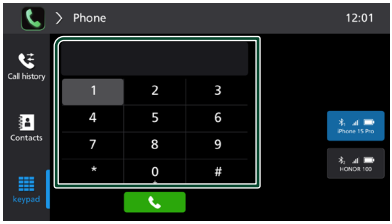
4 **Select the person or number you want to call from the list.**



Call by entering a phone number

1 **Touch .**

2 **Enter a phone number with number keys.**

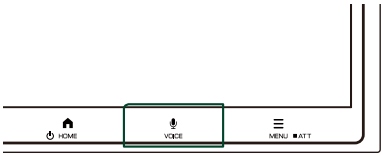


3 **Touch .**

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.)

1 **Press the button.**

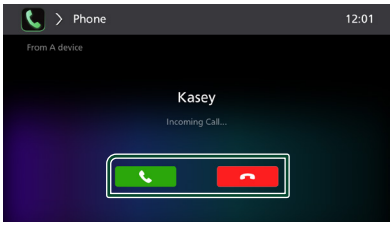


➤ Voice Recognition screen appears.

2 **Start speaking.**

Receive a call

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



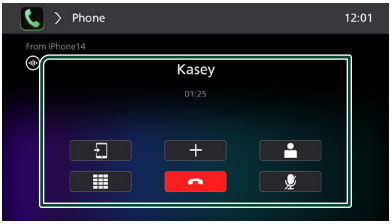
NOTE

- 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.

To end call

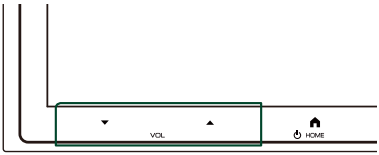
1 **While talking, touch .**

Operations during a call



- **Adjust the receiver volume**

Press ▲ to increase, and press ▼ to decrease.



- **Mute your voice**

Touch to mute or not to mute your voice.

- **Switching between speaking voice output destinations**

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

- **Viewing call records during a call**

Touch to enter the contact list. Touch on a contact person to directly make the second call.

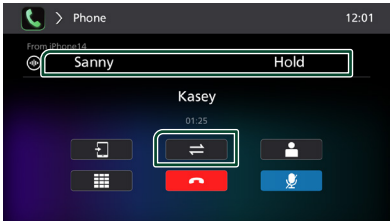
- **Viewing contacts during a call**

Touch to enter the contact list. Touch on a contact person to directly make the second call.

- **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.

Touch the caller name or , 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..

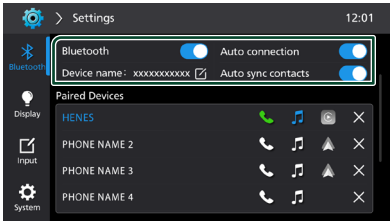
Hands-Free Setup

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

1 **Press the ⌂ / ⏻ button.**

2 **Touch to enter Bluetooth setting menu.**

➤ Bluetooth SETUP Menu screen appears.



3 **Set each function as follows.**

■ **Bluetooth**

Turns the Bluetooth function on or off.

■ **Device Name**

Touch the right to the Device name to change the Bluetooth device name.

■ **Auto Connection**

Turn on the function to re-connect the Bluetooth device paired before automatically.

■ **Auto sync contacts**

Turn on to synchronize address book automatically.

Other External Components

View Camera

NOTE

- To use a rear view camera, a REVERSE lead connection is required.
- 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.

1 **Press the ☰/ATT button.**

➤ Popup menu appears.

2 **Touch Camera.**

➤ View camera screen appears.

3 **Adjust as follows.**

1 Back key

Touch to quit camera interface.

2 Camera Switching Keys

Touch to switch between the Rear view camera and AV-IN camera . It is necessary to set "AV Input" to "Camera". See "Camera Setup".

Camera Setup

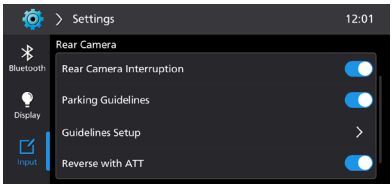
1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**

➤ SETUP Menu screen appears.

3 **Touch ✎.**

➤ Input setting menu appears.



■ Rear Camera Interruption

ON : Display camera screen automatically when reversing.

OFF : Camera screen will not display automatically when reversing.

■ Parking Guidelines

Show/Hide the Parking guidelines.

■ Guidelines Setup

Touch to enter the reverse guidance line setting screen. When Parking Guidelines is OFF, the Guidelines Setup is invalid.

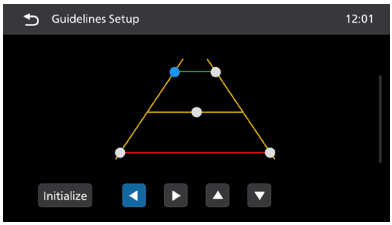
See **Guidelines Setup**.

■ Reverse with ATT

Turn ON/OFF the attenuator of reverse.

Guidelines Setup

Touch **Guidelines Setup** in the Input setting menu to enter the reverse guidance line setting screen.



1 **Touch on the small dot Highlight the currently selected trajectory line.**

2 **Initialize**: Touch to reset.

3 **Touch** ◀ ▶ ▲ ▼ **key to adjust the selected Guideline.**

External audio/video players (AV-IN)

1 **Connect an external component to the AV Audio input and the Video input terminal.**

2 **Select AV-IN as the source.**

3 **Turn on the connected component and start playing the source.**

NOTE

- To select the AV-IN source, it is necessary to set "AV Input" to "AV-IN" in **Input Setup**.

HDMI source

1 **Connect your smartphone to the HDMI input terminal.**

Use HDMI cable (optional accessory).

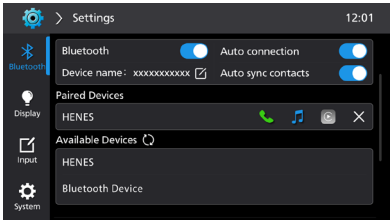
2 **Select HDMI as the source.**

3 **Start an application or playback on your smartphone.**

Setup

1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**



➤ See the following section for each setting.

- Setup Bluetooth
- Setup Display
- Setup Input
- Setup systems

Bluetooth Setup

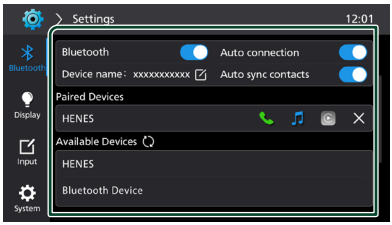
You can set connections and AV parameters.

1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**

➤ Bluetooth SETUP Menu screen appears.

3 **Set each parameter as follows.**



■ Bluetooth

Turns the Bluetooth function on or off.

■ Device Name

Touch the ✎ right to the Device name to change the Bluetooth device name.

See ***Change the device name***.

■ Auto Connection

Turn on the function to re-connect the Bluetooth device paired before automatically.

■ Auto sync contacts

Turn on to synchronize address book automatically.

■ Paired Devices

Select a device to disconnect/delete.

■ Available Devices

Select a device paire.

Change the device name

1 **Touch ✎ right to the Device name in the Bluetooth setting menu.**

Change Device Name screen appears.

2 **Input the device name.**

3 **Touch OK.**

Display Setup

1 **Press the ⌂ / ⏻ button.**

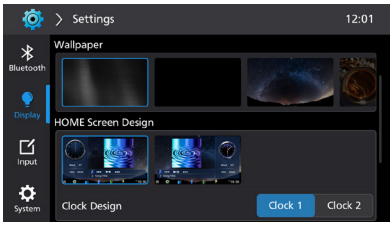
2 **Touch ⚙.**

➤ SETUP Menu screen appears.

3 **Touch 💡.**

➤ Display setup menu appears.

4 **Adjust each setting as follows.**



■ **Wallpaper**
Select a wallpaper.

■ **HOME Screen Design**
Select a HOME screen mode.

■ **Brightness**
Adjust dimmer mode/Backlight/Contrast/Color.

■ **Demonstration**
ON : Display the Demo mode if the screen is not operated for 30 seconds.

■ **Driving Position**
Switch CP/AA to left-hand/right-hand drive mode.

NOTE

- Settings to adjust vary depending on the current source.
- You can also access the screen by touching "screen Adjustment" on Popup menu.

Input Setup

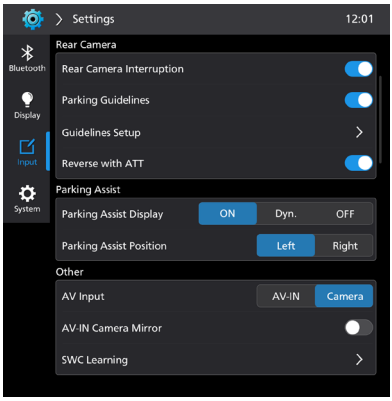
1 **Press the ⌂ / ⏻ button.**

2 **Touch ⚙.**

➤ SETUP Menu screen appears.

3 **Touch ✎.**

➤ Input setup menu appears.



■ **Rear Camera Interruption**
ON : Display camera screen automatically when reversing.
OFF : Camera screen will not display automatically when reversing.

■ **Parking Guidelines**
Show/Hide the Parking guidelines.

■ **Guidelines Setup**
Touch to enter the reverse guidance line setting screen. When Parking Guidelines is OFF, the Guidelines Setup is invalid.

■ **Reverse with ATT**
Turn ON/OFF the attenuator of reverse.

■ **Parking Assist Display**
Set Parking Assist Display to ON/Dyn./OFF.

■ **Parking Assist Position**
Set Parking Assist Position to left or right.

■ **AV Input**
AV-IN : Select this when an external AV devices connected.
Camera : Select this to watch the view from the connected camera.

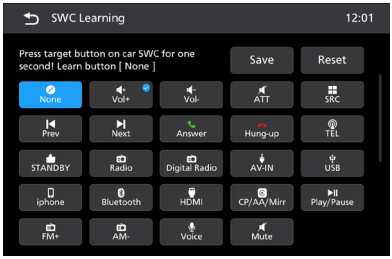
■ AV-IN Camera Mirror

Set the image of AV-IN Camera is mirrored or not.

When "AV Input" is set to "AV-IN", this option is invalid.

■ SWC Learning

Touch to enter the SWC Learning setup screen.



Touch a function button on the screen, then press target button on car SWC for more than 1 second.

Touch **Save** to save the settings.

Touch **Reset** to reset the settings.

System Setup

You can setup system parameters.

1 Press the ⌂ / ⏻ button.

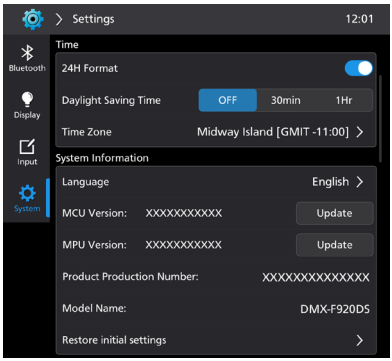
2 Touch ⚙.

➤ SETUP Menu screen appears.

3 Touch ⚙.

➤ System setting menu appears.

4 Set each parameter as follows.



■ Time

24H Format: Turn on the function to activate 24H Format.

Daylight Saving Time: OFF, 30min, 1Hr

Time Zone: Select the time zone on the pop-up menu.

■ System information

Language: Select system language from the pop-up menu

MCU/MPU Version: Show the current software version.

Product Production Number: Display the Product Production Number.

Model Name: Display Model Name.

Restore initial settings: Reset to the initial state of the system.

The following functions are only for DMX8710S, DMX7525S:

OEM BT ON/OFF: Click to switch ON/OFF.

OFF: Do not enable the Bluetooth function of the iDatalink system.

Setting with Popup: Click to enter the test pop-up screen.

OEM Audio Gain: TBD (Normal display, no next level screen when clicked)

SWI Commands: TBD (Normal display, no next level screen when clicked)

OEM Sources: TBD (Normal display, no next level screen when clicked)

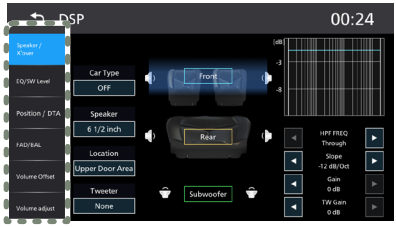
Controlling Audio

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

1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT .**

3 **Touch DSP .**



- See the following section for each setting.
- Set up Speaker / X'over
- Controlling EQ / SW Level
- Set Position / DTA
- Controlling FAD / BAL
- Set Volume Offset
- Set Volume Adjust
- Set Sound Effect
- Use Audio Memory

3-way speaker system setup

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.

1 **Press the ⌂ / ⏻ button.**

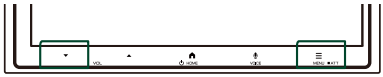
➤ HOME screen appears.

2 **Touch ▦.**

➤ Source selection screen appears.

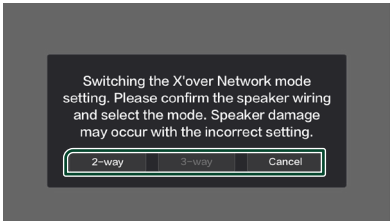
3 **Touch STANDBY .**

4 **Press ▼ button followed by the ☰/ATT button for 2 seconds at the same time.**



➤ Speaker system select screen appears.

5 **Select the crossover network mode.**



➤ A confirmation screen appears.

6 **Touch Yes .**

NOTE

- When the 3-way speaker system is selected, the following functions are disabled.
  - 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
- While talking on the paired phone or using the voice recognition function, the speaker system cannot be switched.

Speaker / X'over setup

1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT .**

3 **Touch DSP .**

➤ Audio screen appears.

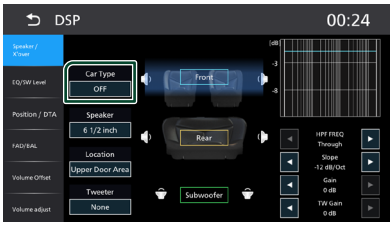
4 **Touch Speaker / X'over .**

5 **Select a car type.**

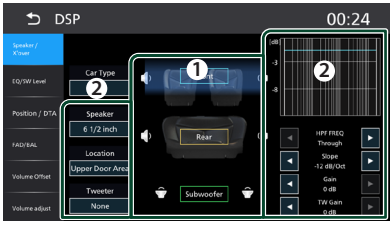
You can select the car type and speaker network, etc.

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.

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)

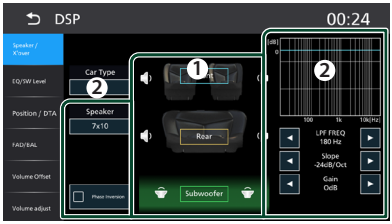
Adjust the tweeter level.

■ **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. If you have no speakers, select "None".

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 ***3-way speaker system setup***

Equalizer Control

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

1 **Press the ⌂ / ⏻ button.**

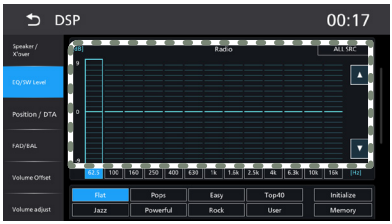
2 **Touch ☰/ATT .**

3 **Touch DSP .**

➤ 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 "User".

■ **Initialize**

Initialize (flatten) the current EQ curve.

■ **Bass EXT** (Bass Extend Settings)

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

■ **SW Level**

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

■ **Flat / Pop / Easy / Top40 / Jazz / Powerful / Rock / User**

Recall the preset EQ curve.

Listening Position / DTA

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

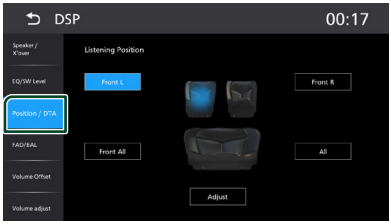
1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT .**

3 **Touch DSP .**

➤ Audio screen appears.

4 **Touch Position / DTA .**



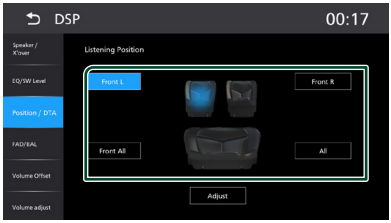
- Set up Listening Position
- Set up Front Focus

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 .**



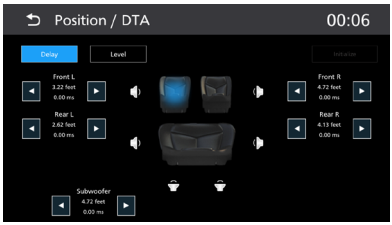
Position DTA control

You can fine-adjust your listening position.

1 **Touch Adjust .**

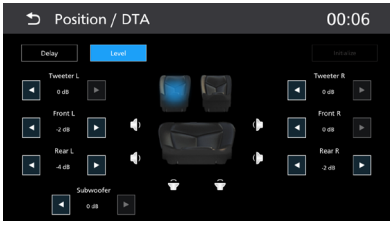
2 **Touch Delay .**

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.

Fader / Balance Control

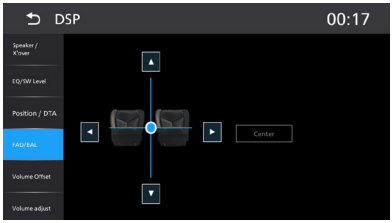
1 Press the ⌂ / ⏻ button.

2 Touch ☰/**ATT**.

3 Touch **DSP**.

➤ Audio screen appears.

4 Touch **FAD / BAL**.

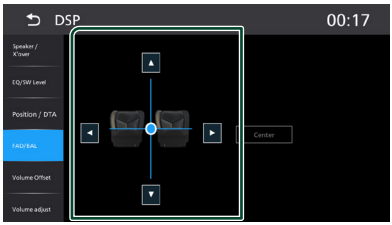


- Fader / Balance Control
- Set up Zone Control

Fader / Balance Control

You can adjust the volume balance among the speakers.

1 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 Press the ⌂ / ⏻ button.

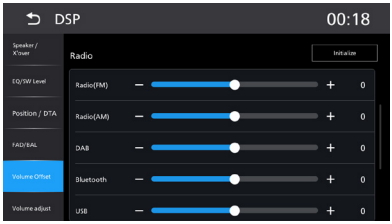
2 Touch ☰/**ATT**.

3 Touch **DSP**.

➤ 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 **OK** 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.

Volume adjust

Set the startup volume for each playback source.

1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT.**

3 **Touch DSP.**
➤ Audio screen appears.

4 **Touch Volume adjust.**

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

Sound Effect

You can set sound effects.

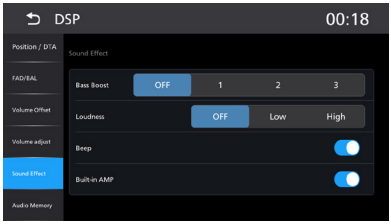
1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT.**

3 **Touch DSP.**
➤ 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"

■ **Beep**
Touch to turn the key touch tone "OFF" or "ON".

■ **Built-in Amp**
Touch to turn the Built-in amplifier "OFF" or "ON".

Audio Memory

Set the audio setup memory.

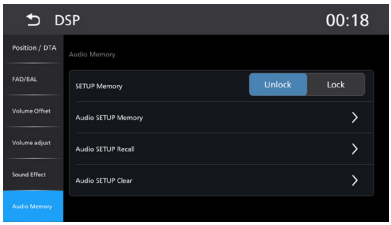
1 **Press the ⌂ / ⏻ button.**

2 **Touch ☰/ATT.**

3 **Touch DSP.**
➤ Audio screen appears.

4 **Touch Sound Effect.**

5 **Set each parameter as follows.**



Remote control

This unit can be operated using the remote control.
The remote control is the optional accessory.

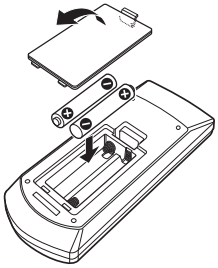
⚠ CAUTION

- 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

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

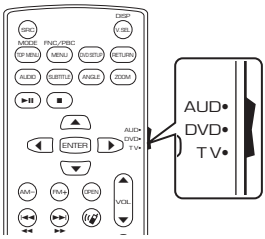
1 Insert two "AAA"/"R03"-size batteries with the ⊕ and ⊖ poles aligned properly, following the illustration inside the case.



Functions of the Remote control Buttons

Switch the operation mode

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



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

■ **DVD mode/TV mode**
Not used.

NOTE

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

Direct search mode

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

NOTE

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

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

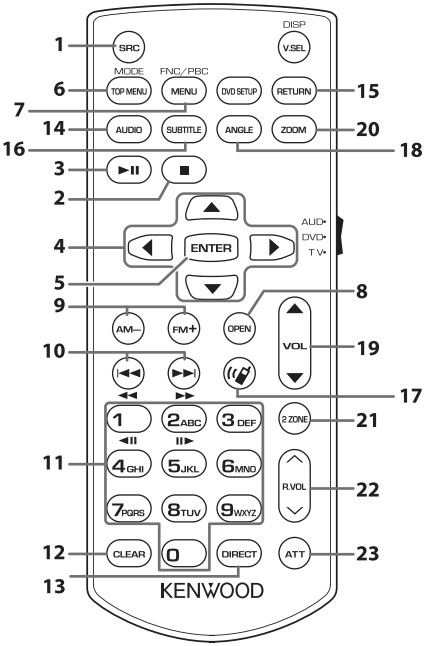
The available contents are different depending on the source type.

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.

Basic Operation



	Key Name	Mode switch	Function
1	SRC	–	Switches to the source to be played. In Hands-Free mode, hangs up the phone.
2	■	–	Not used.
3	►II	–	Pauses the track or file, and resumes playing by pressing twice. For the Radio and Digital Radio (DMX7525DABS) sources in AUD mode, switches the seek mode.
4	▲/▼/◄/►	–	Not used.
5	ENTER	–	Not used.
6	TOP MENU	AUD	Screen mode changes each time you press this key during video playback.
7	MENU	AUD	Displays the control screen of current source. (USB)
8	OPEN	–	Not used.
9	AM–/FM+	AUD	Selects the folder to be played. For the Radio and Digital Radio (DMX7525DABS) sources in AUD mode, selects FM/AM band to be received.
10	⏮/⏭	–	Selects the track or file to be played. For the Radio, Digital Radio (DMX7525DABS) sources in AUD mode, switches to broadcast stations received by the unit.
11	Numeric Keypad	AUD	Allows you to enter the number to search in the direct search mode. For details on the direct search mode, see For the Radio and Digital Radio (DMX7525DABS) sources, allows you to enter the preset number. • If the preset number is one digit, press the number. • If the preset numbers is two digits, press continuously the numbers within 3 seconds. • Pressing ◄ ► within 3 seconds allows you to determine the preset number of one digit.

	Key Name	Mode switch	Function
12	CLEAR	–	Not used.
13	DIRECT	–	Switches to the direct search mode.
14	AUDIO	–	Not used.
15	RETURN	–	Not used.
16	SUBTITLE	–	Not used.
17		–	When a call comes in, answers the call.
18	ANGLE	–	Not used.
19	VOL ▲▼	–	Adjusts the volume.
20	ZOOM	–	Not used.
21	2 ZONE	–	Not used.
22	R.VOL ∧∨	–	Not used.
23	ATT	–	Lowers the volume by pressing the key once. Restores the previous volume by pressing the key twice.

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

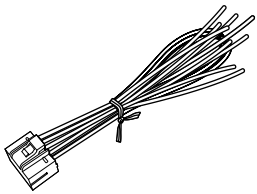
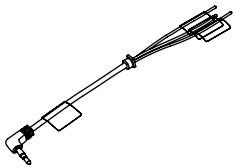
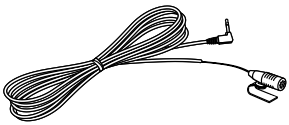
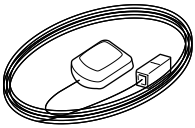
- Install this unit in the console of your vehicle. Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

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

Supplied accessories for installation

Note: This parts list does not include all the package contents.

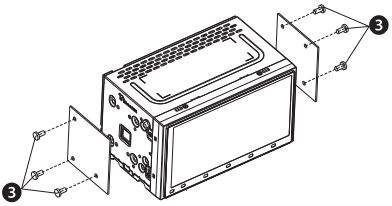
❶	 DC harness	X1
❷	 Learning steering remote extension cable	X1
❸	Flat head screws, M5×8 mm	X6
❹	 Microphone, 3 m	X1
❺	 GPS antenna, 3.5 m	X1

Installation procedure

1) Remove the key from the ignition and disconnect the ⊖ terminal of the battery.
2) Make the proper input and output wire connections for each unit.
3) Connect the speaker wires of the wiring harness.
4) Connect the wiring harness wires in the following order; ground, battery, ignition.
5) Connect the wiring harness to the unit.
6) Install the unit in your car.
   Make sure that the unit is installed securely in place.
   If the unit is unstable, it may malfunction.
7) Reconnect the ⊖ battery.
8) Initialize the unit .
9) Configure <Initial Settings>
10) Reception may drop if there are metal objects near the Bluetooth/Wi-Fi antenna.

Installing the unit

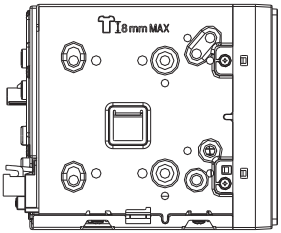
Installing the unit using the mounting bracket removed from the car



NOTE

- Select the appropriate screws (supplied) for the mounting bracket.
  * Shape of your car brackets may differ.
  Install onto the car bracket using the supplied screws.❸
  Use the mounting holes that fit the car bracket.

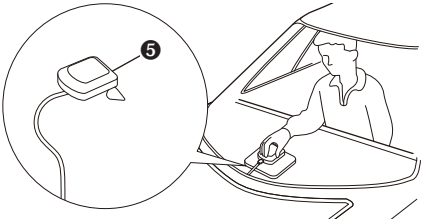
Side view



Installing the supplied 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.

1. Clean your dashboard or other surface.
2. Remove the separator of the GPS antenna ❺, and fix the antenna to the instrument panel.

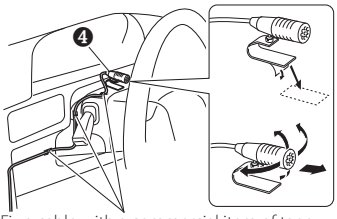


NOTE

- 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 the supplied GPS antenna in an area away from any aerials that are used with CB radios or satellite televisions.
- The supplied GPS antenna should be installed at a position that is spaced at least 30 cm from mobile phone or other transmitting aerial. Signals from the GPS satellite may be interfered with by these types of communication.
- Painting the supplied GPS antenna with (metallic) paint may cause a drop in performance.

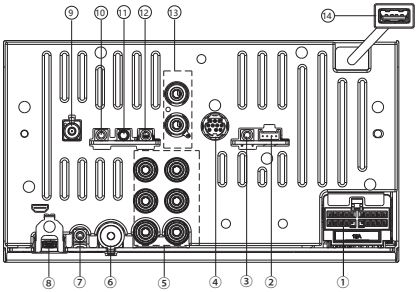
Microphone unit

1) Check the installation position of the microphone (accessory ❹).
2) Clean the installation surface.
3) Remove the separator of the microphone, 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 to the driver.

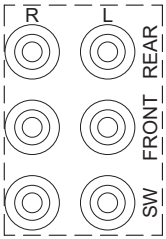


Fix a cable with a commercial item of tape.

Connecting external components

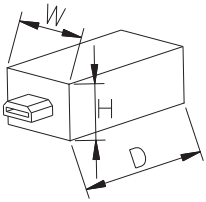


① Main Connector
② iDatalink
③ IF
④ SXM
⑤ Lineout/Subwoofer



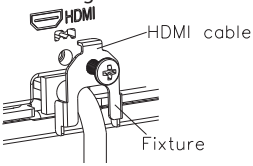
Output terminals
• Left output (White)
• Right output (Red)
REAR: Rear speaker preouts
FRONT: Front speaker preouts
SW: Subwoofer preouts
For 3-way crossover:
REAR: Tweeter preouts
FRONT: Mid range speaker preouts
SW: Subwoofer preouts
* When connecting an external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

⑥ FM/AM
⑦ DAB (Available in certain region)
⑧ HDMI
Use HDMI cable (Optional accessory)

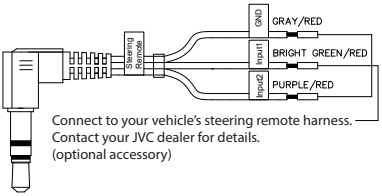


W: 11.1 mm or less
H: 7.7 mm or less
D: 21.5 mm or less

When you connect the cable to HDMI terminal, detach the fixture. After connecting the cable, attach the fixture back using the screw.

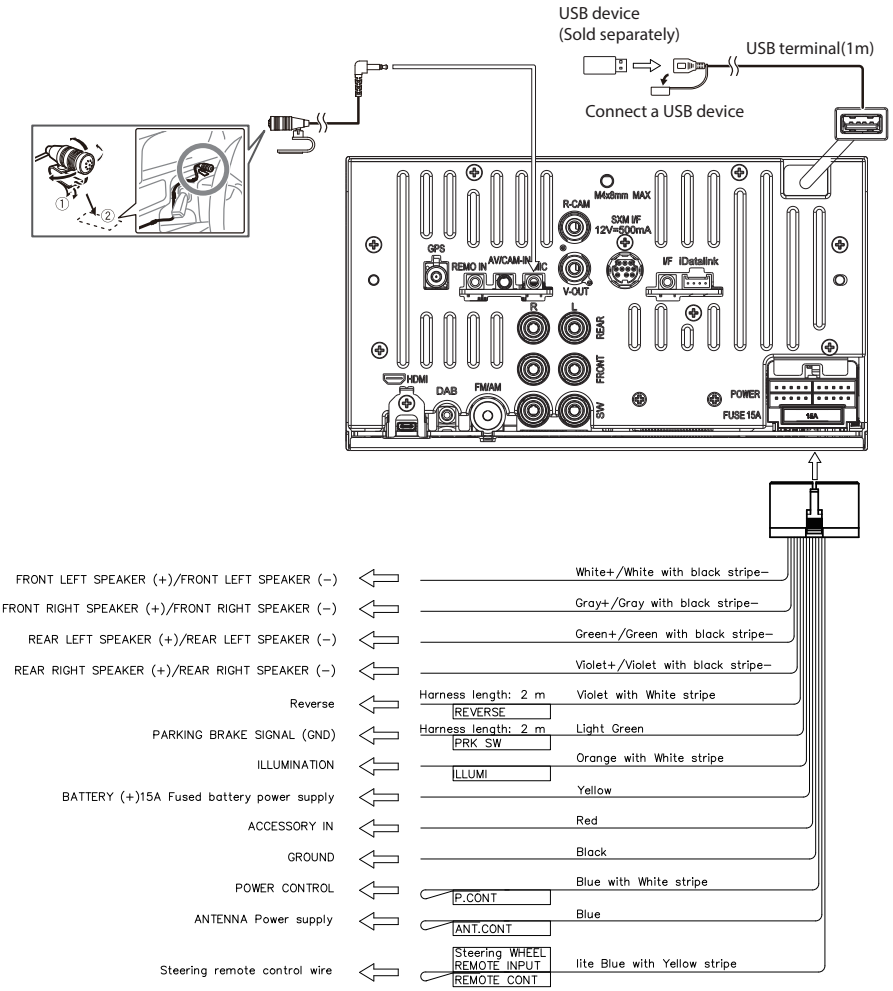


⑨ GPS
⑩ REMOTE IN

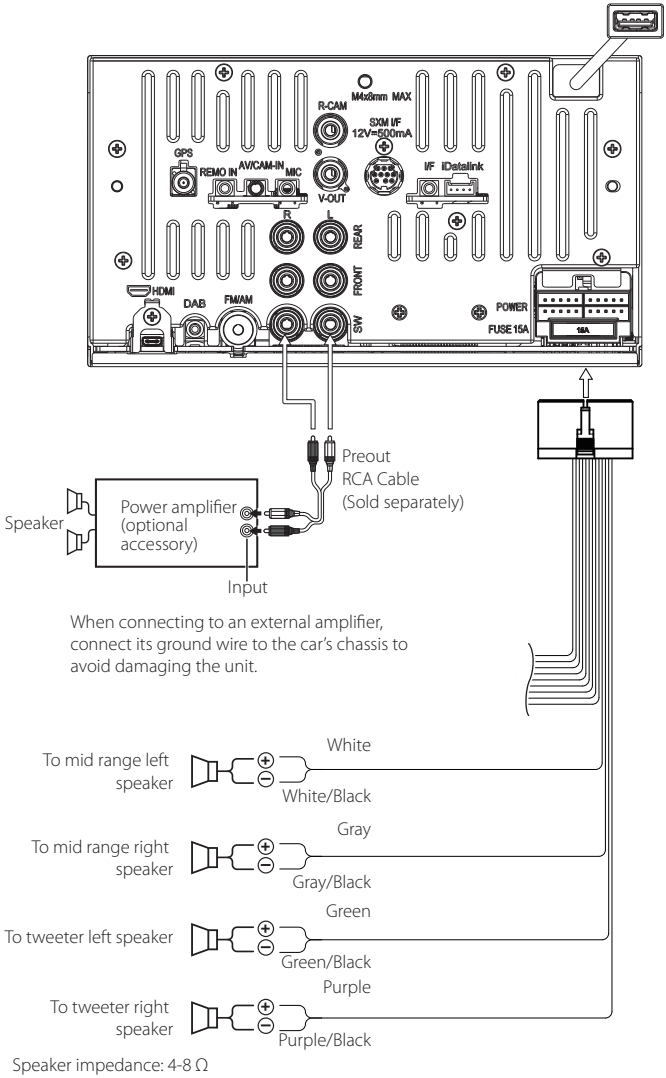


⑪ AV/CAM-IN
⑫ MIC
⑬ R-CAM/VIDEO OUT
⑭ USB

Connecting wires to terminal



3-way speaker system setup



Speaker impedance: 4-8 Ω

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 general operations

Unit can not power on

Unit fuse blown.
➤ Install new fuse with correct rating.
Car battery fuse blown.
➤ Install new fuse with correct rating.

Remote control does not work

Battery depleted.
➤ Change the battery.
Battery installed incorrectly.
➤ Install the battery correctly.

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***.

No sound

➤ Adjust the volume.
➤ Confirm whether the music and video is supported or not.

Cannot select a folder.

The random play function is enabled.
➤ Turn off the random function.

About reversing operations

Abnormal picture

➤ Exit reversing mode and enter again.
➤ Check whether the camera is covered by foreign matters.
➤ Check whether the type of reverse camera is matched or not.
➤ Check the reversing signal cable.

About Bluetooth operations

Connecting fail

The Bluetooth function of the device is not enabled.
➤ Please make sure that the Bluetooth of mobile device is turned on.
The device does not support the profiles required for the system.
➤ Use another device to connect.

The audio quality is poor

The external microphone is not set correctly nor properly.
➤ Adjust the gain and position of the external microphone.

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	24 bit
FLAC (.flac)	flac	–	16 – 192 kHz	24 bit
Vorbis (.ogg)	vorbis	VBR	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

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

Specifications

● Monitor section

Picture Size
: 6.92 inches (diagonal)
: 156.48 (W) × 80.136 (H) mm
: 6.16 (W) x 3.16 (H) inch

Drive System
: TFT active matrix system

Number of Pixels
: 2764800 (1280H × 720V × RGB)

Pixel Arrangement
: RGB striped arrangement

Back Lighting
: LED

● USB interface section

Connector Type
: Type-A

USB Standard
: USB2.0 Full Speed/High Speed

File System
: FAT16, FAT32, exFAT, NTFS

Maximum Power Supply Current
: DC 5 V ⎓ 2.1 A

D/A Converter
: 24 bit

Audio Decoder
: MP3 / WMA / AAC / WAV / FLAC

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

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

Total Harmonic Distortion
: <= 0.05% Typ. (1 KHz)

S/N Ratio (dB)
: 78 dB Typ.

Dynamic Range
: 89 dB Typ.

● HDMI section

Connector Type
: Type-D

Input Resolution
- 640x480 59.94/60Hz 4:3
- 720x480 59.94/60Hz 4:3
- 720x480 59.94/60Hz 16:9
- 1280x720 59.94/60Hz 16:9

Input Audio Type
: 32K/44.1K/48K/88.2K/96K/176.2K/192K 16/20/24-bit Linear PCM

● SiriusXM section

Frequency Range
: 2320 – 2345 MHz

● Wi-Fi section

IEEE Standard
: 802.11 a/n/ac

Frequency Range
5745 - 5825 MHz

Channels
: Auto(149,153,157,161ch)

Transfer rates (MAX)
: 11a: 54 Mbps / 11b: 11 Mbps / 11g: 54 Mbps / 11n: 130 Mbps / 11ac: 390 Mbps

Output Power
5 GHz/SISO
: 11a:12dBm+4/-2dBm/
11n(20MHz):12dBm±4dBm /
11n(40MHz):12dBm±4dBm /
11ac(20MHz):12dBm±4dBm /
11ac(40MHz):12dBm±4dBm /
11ac(80MHz):9dBm±3dBm

● Bluetooth section

Technology
: Bluetooth Ver5.3

Frequency
: 2.402 – 2.480 GHz

RF Output Power (E.I.R.P.)
: +4 dBm (MAX), Power Class 2

Maximum Communication range
: Line of sight approx. 10m (32.8 ft)

Audio Codec
: SBC/AAC

Profile (Multi Profile support)
- Support HFP v1.7
- Support SPP v1.2
- Support A2DP v1.4
- Support AVRCP v1.6
- Support PBAP v1.2

● FM tuner section

Frequency Range (step)
: 87.9 – 107.9 MHz (200 kHz/50kHz)

Usable Sensitivity (S/N : 30 dB)
: 8dBf Typ

Frequency Response (± 3.0 dB)
: 100Hz - 10kHz

S/N Ratio (dB)
: 75dB Typ, 69dB Min. (MONO)

Selectivity (± 400 kHz)
: 79dB Typ @20dBuv, ±400kHz

Stereo Separation
: 40dB Min, 45dB Typ. (1kHz)

● AM tuner section

Frequency Range (step)
: 530 kHz – 1700 kHz (10 kHz)

Usable Sensitivity
: 29dBu Typ.

● Video section

Color System of External Video Input
: NTSC/PAL

External video input level (Mini jacks)
: 1 Vp-p/75 Ω

External audio max input level (Mini jacks)
: 0.2~2.0 VRMS / 10 kΩ

Video Input level (RCA jacks)
1 Vp-p / 75 Ohms

Video Output Level (RCA jacks)
: 100IRE Typ

Audio Output level (RCA jacks)
: 3VRMS /10kΩ

● Audio section

Maximum Power (Front & Rear)
: 50 W × 4

Typical Power Output (Front & Rear)
1KHz sine wave (at less than 10% THD)
: 22 W × 4

Output frequency band
: 20 - 20,000Hz

Preout Level (V)
: 3 V / 10 kΩ

Preout Impedance
: ≤ 300 Ω

Speaker Impedance
: 4 Ω / 8 Ω

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, 30/40/50/60/70/80/90/100/120/150/180/220/250 Hz
Slope: -6/-12/-18/-24 dB/Oct.
Low pass filter
Frequency: 30/40/50/60/70/80/90/100/120/150/180/220/250 Hz, Through
Slope: -6/-12/-18/-24 dB/Oct.

3-way X'Over
High pass filter
Frequency: Through/250/300/1k/1.6k/2.5k/4k/5k/6.3k/8k/10k/12.5k
Slope: -12/-18/-24 dB/Oct.
Band pass filter
Frequency: Through, 50/60/70/80/90/100/120/150/180/220/250/300 Hz
250/300/1k/1.6k/2.5k/4k/5k/6.3k/8k Hz, Through
Slope: -12/-18/-24 dB/Oct.
Low pass filter
Frequency: 30/40/50/60/70/80/90/100/120/150 Hz, Through
Slope: -12/-18/-24 dB/Oct.

● General

Operating Voltage
: 8.5 - 16V DC

Max Operating Current
: 15A

Operating Temperature
: -20 ~ +80 °C

Dimensions (W × H × D)
: 178mm x 100mm x 109mm
: 7 x 3-15/16 x 4-5/16 inch

Weight
: 1.14 kg (2.6 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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● FCC Statement

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 undesired operation.

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 important announcement

Important Note:

Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

● ISED Statement

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.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux
CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1) L'appareil ne doit pas produire de brouillage;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 etla conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne surl'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ouémetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

JVCKENWOOD Corporation hereby declares that this product DMX8710S is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. This product is allowed to be used in all EU member states.

https://www.kenwood.com

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

⚠ 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:	KENWOOD
Products:	MONITOR WITH RECEIVER
Model Name:	DMX8710S
Responsible Party:	JVCKENWOOD 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 UNDESIRED OPERATION.

● 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***.

● 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.

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 prejudicais 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."

KENWOOD