KENWOOD

DMX4710S
DMX40S
DMX400S

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/>.

Take the time to read through this instruction manual.
Familiarity with installation and operation procedures will help you obtain the best performance from your new receiver.

For your records

Record the serial number, found on the back of the unit, in the spaces designated on the warranty card, and in the space provided below. Refer to the model and serial numbers whenever you call upon your KENWOOD dealer for information or service on the product.

Model DMX4710S / DMX40S / DMX400S Serial number _____

US Residence Only

Register Online

Register your KENWOOD product at **www.kenwood.com/usa/**

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Before Use

IMPORTANT

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

Precautions

⚠ WARNINGS

To prevent injury or fire, take the following precautions:

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

Precautions on using this unit

- When you purchase optional accessories, check with your KENWOOD dealer to make sure that they work with your model and in your area.
- You can select language to display menus, audio file tags, etc. See ***User Interface Setup (P.43)***.
- The Radio Data System or Radio Broadcast Data System feature won't work where the service is not supported by any broadcasting station.

Protecting the monitor

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

Cleaning the unit

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

NOTE

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

How To Reset Your Unit

- If the unit or the connected unit fails to operate properly, reset the unit. Press the <Reset> button.The unit returns to factory settings.



Reset button

NOTE

- Disconnect the USB device before pressing the <Reset> button. Pressing the <Reset> button with the USB device connected can damage the data stored in the USB device. For how to disconnect the USB device, see Disconnect the USB device ***(P.18)***.
- When the unit is turned on after resetting, the Initial SETUP screen appears. See Initial setup ***(P.7)***.

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 clear explanations of the operations.
  For this reason, they may be different from the actual screens or panels used, or some display patterns may be different.
- **Indication language**: English indications are used for the purpose of explanation. You can select the indication language from the **SETUP** menu. See ***User Interface Setup (P.43)***.

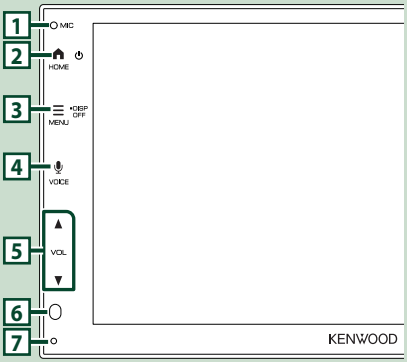


This symbol on the product means there are important operating and maintenance instructions in this manual.

Be sure to carefully read instructions in this manual.

Basic Operations

Functions of the Buttons on the Front Panel



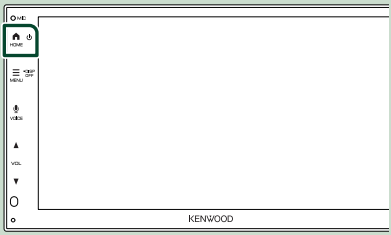
NOTE

- The panels shown in this guide are examples used to provide clear explanations of the operations. For this reason, they may be different from the actual panels.
- Noise inside the vehicle during a call may affect call quality. If call quality is poor, we recommend setting the air conditioner's fan to the lowest setting.

	Name • Motion
1	Built-in microphone • Speak via Bluetooth hands-free mode when a Bluetooth telephone is connected.
2	**HOME** • Displays the HOME screen ***(P.9)***. • Press and hold to turn off the power. • When the power off, turns the power on.
3	**MENU** • Displays the popup menu screen. • Press and hold to turn off the screen.
4	**VOICE** • Displays the Voice Recognition screen ***(P.36)***.
5	▼, ▲ (**VOL**) • Adjusts volume. The volume will go up until 15 when you keep pressing ▲.
6	Remote Sensor • Receives the remote control signal.
7	Reset • If the unit or the connected unit fails to operate properly, the unit returns to initial settings when this button is pressed.

Turning on the Unit

1 Press the **HOME** button.



➤ The unit is turned on.

● **To turn off the unit:**

1 Press and hold the **HOME** button.

NOTE

- If it is your first time turning the unit on after installation, it will be necessary to perform Initial setup ***(P.7)***.

Getting Started

Initial setup

Perform this setup when you use this unit first time.

1 **Set each item as follows.**



■ **Language**
Select the language used for the control screen and setting items. Default is "**American English(en)**".
① Touch **Language**.
② Select the desired language.
③ Touch **Close**.

■ **Clock**
Sets the synchronization of the clock and adjusts it.
For detailed operation, see ***Calendar/clock settings (P.7)***.

■ **Camera**
Set the parameters for the camera.
① Touch **Camera**.
② Set each item and touch ↰.
For detailed operation, see ***Camera Setup (P.39)***.

■ **DEMO**
Set the demonstration mode. Default is "ON".
① Touch **DEMO** and set **ON** or **OFF**.

2 **Touch Finish.**



NOTE

- These settings can be set from the SETUP menu. See ***Setting Up (P.42)***.

Calendar/clock settings

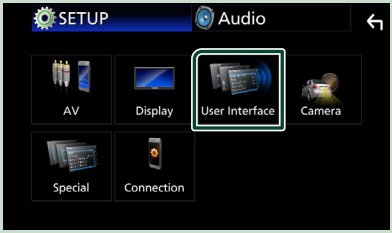
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** ⚙.



➤ SETUP Menu screen appears.

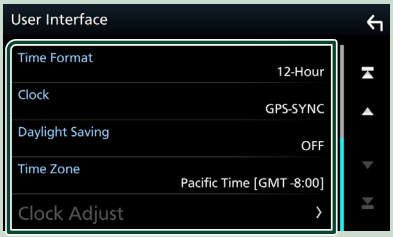
3 **Touch User Interface.**



➤ User Interface screen appears.

4 **Set each item as follows.**

Scroll the page to show hidden items.



■ **Time Format**

Select the time display format.

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

■ **Clock**

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

Manual: Set the clock manually.

■ **Daylight Saving**

(Not used when the clock is set manually)

Activate this by selecting the additional time for daylight saving time (if available in your residential area).

OFF (Default)/ **+1 hr.** / **+30 min.**

■ **Time Zone**

Select the time zone.

■ **Clock Adjust**

If you select **Manual** for Clock, adjust the date and time manually.

NOTE

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

Adjusting the volume

To adjust the volume (0 to 40),

Press ▲ to increase, and press ▼ to decrease.

Holding ▲ increases the volume continuously to level 15.

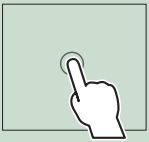


Touch screen operations

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

● **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 the list screen by flicking the screen up/ down.



● **Swipe**

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



HOME screen descriptions

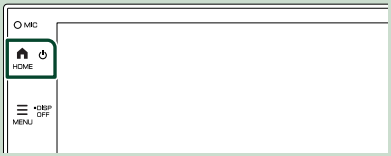
Most functions can be performed from the HOME screen.



1	• Displays the control screen of current source.
2	• Current source information
3	• Displays the source selection screen. ***(P.10)***
4	• Short-cut playback source icons ***(P.10)***
5	• Displays the Hands Free screen. ***(P.34)*** • When connecting as Apple CarPlay or Android Auto™, it works as a phone provided in Apple CarPlay or Android Auto.

Display the HOME screen

1 **Press the HOME button.**



➤ HOME screen appears.

Source selection screen descriptions

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



1	• Changes the playback source. For playback sources, see ***Select the playback source (P.10)***.
2	• Returns to previous screen.
3	• Displays the SETUP Menu screen. ***(P.42)***

Select the playback source

1 **Touch** **on the HOME screen.**
From the screen, you can select the following sources and functions.

USB Mirroring	• Switches to the USB Mirroring screen from the connected iPhone or Android smartphone. ***(P.15, P.16)*** It is necessary to connect iPhone or Android smartphone with "MirrorAPP+™" application installed .
Apple CarPlay	• Switches to the Apple CarPlay screen from the connected iPhone. ***(P.13)***
Android Auto	• Switches to the Android Auto screen from the connected Android smartphone. ***(P.14)***
TEL	• Displays the Hands Free screen. ***(P.34)*** When neither Apple CarPlay, Android Auto, nor a Bluetooth Hands-Free phone is connected, displays "**Disconnected**" message in the TEL screen. When connecting as Apple CarPlay or Android Auto, it works as a phone provided in Apple CarPlay or Android Auto.
Radio	• Switches to the Radio broadcast. ***(P.21)***
SiriusXM	• Switches to the SiriusXM® satellite radio broadcast. ***(P.24)*** (DMX4710S/ DMX40S only)
Bluetooth Audio	• Plays a Bluetooth audio player. ***(P.33)***
USB	• Plays files on a USB device. ***(P.18)***
STANDBY	• Puts the unit in standby. ***(P.10)***

• For sources and information displayed when an iDatalink Maestro is connected, see ***Maestro Features Operation (P.40)***. (DMX4710S/ DMX40S only)

To select the playback source on the HOME screen

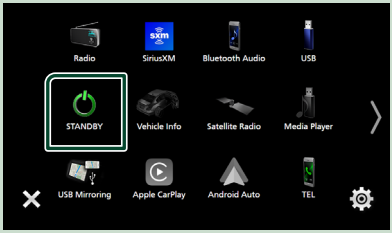


The 3 items displayed on the source selection screen as the large icons are shown on the HOME screen.
You can change items displayed on this area by customizing the source selection screen. ***(P.11)***

Put the unit in standby

1 **Touch** **on the HOME screen.**

2 **Touch** **STANDBY** **.**



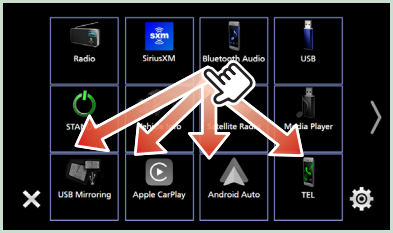
Customize Short-cut buttons on HOME screen

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

1 Touch ⊞ on the HOME screen.

2 Touch and hold the icon which you want to move to go into the customizing mode.

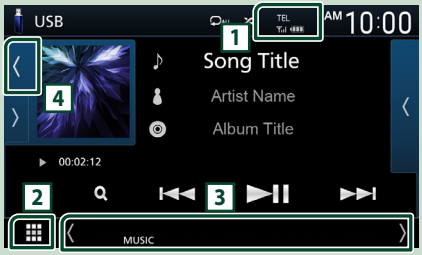
3 Drag it where you want to move.



Source control screen descriptions

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

Indicators



Sub menu



1 TEL / ▼ıl

Connected Bluetooth device information.

2 ⊞ All sources icon

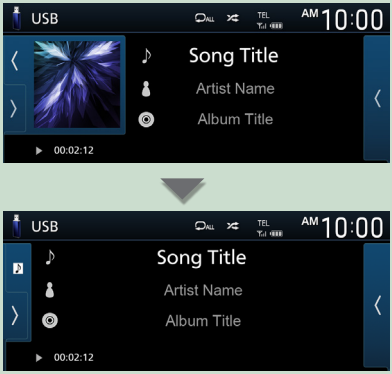
Displays all sources.

3 Secondary screen

- ❮ / ❯ : The Secondary screen changes every time you touch it. You can also change the Secondary screen by flicking left or right on the screen.
- Short-cut source icons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to ***Customize Short-cut buttons on HOME screen (P.11)***.
- Sub menu
  - DIM: Operation when the icon is touched: The first touch darkens the screen, the second, third and forth touch darken the screen further, and the fifth touch restores the screen to its original brightness.
  - ▁▃▅: Displays the Graphic Equalizer screen. ***(P.49)***
  - ⧉: Displays the APP (Apple CarPlay/ Android Auto) screen ***(P.13)***.
- Indicators: Displays the current source condition and so on.
  - **MUTE**: The mute function is active.
  - **LOUD**: The loudness control function is on.

4 Artwork & information

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

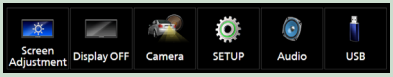


Popup menu

1 **Press the MENU button.**



➤ Popup menu appears.

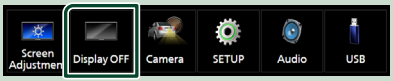


The contents of the menu are as follows.

	• Displays the Screen Adjustment screen. ***(P.42)***
	• Turns the display off. ***(P.12)***
	• Displays the view camera. ***(P.39)***
	• Displays the SETUP Menu screen. ***(P.42)***
	• Displays the Audio Control Menu screen. ***(P.47)***
	• Displays the control screen of current source. Icon feature differs depending on the source. This icon is for USB source.

Turn off the screen

1 **Select  on the popup menu.**

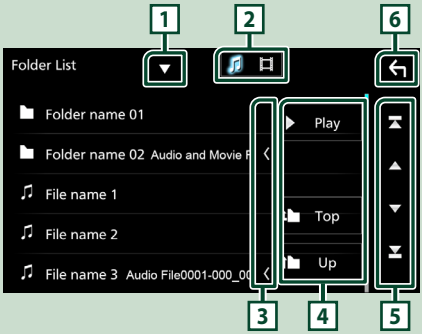


● To turn on the screen

1 **Touch the display.**

List screen

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



1 

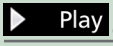
Displays list type selection window.

2 

Displays music/movie file list.

3  **Text scroll**

Scrolls the displayed text.

4  **etc.**

Keys with various functions are displayed here.

-  : Plays all tracks in the folder containing the current track.
-  : Moves to the upper hierarchy.

5  **Page scroll**

You can change the page to display more items by pressing .

-  : Displays the top or bottom page.

6  **Return**

Returns to previous screen.

NOTE

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

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/***.

NOTE

- If your iPhone isn't working the way you want, try restarting it by turning it off and then turning it back on.

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 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
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s

Preparation

1 Connect your iPhone with the USB cable that matches the connector. *(P.59)*

2 Unlock your iPhone.

NOTE

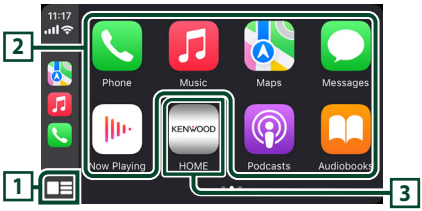
- Depending on the iPhone connector, use a genuine Apple Lightning-USB cable or a USB-IF certified USB-C® to USB-A USB cable.
  If you use non-certified cable, it may not work properly.

Operation buttons 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 Apple CarPlay mode, touch **Apple CarPlay** icon in the source selection screen. ***(P.10)***



1 *

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

2 Application buttons

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 HOME button.

Use Siri

You can activate Siri.

1 **Press the VOICE button.**



2 **Talk to Siri.**

Switch to the Apple CarPlay screen while listening to another source

1 **Press the HOME button.**

➤ HOME screen appears.

2 **Touch Apple CarPlay.**



NOTE

- If sound is output using Apple CarPlay when the Apple CarPlay screen is displayed, the source is switched to Apple CarPlay.

Android Auto™ Operation

Android Auto enables you to use functions of your Android smartphone convenient for driving. You can easily access route guidance, make calls, listen to music, and access convenient functions on the Android smartphone while driving.

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

NOTE

- If your Android smartphone isn't working the way you want, try restarting it by turning it off and then turning it back on.

Compatible Android smartphone

You can use Android Auto with Android smartphone of Android version 8.0 or later.

NOTE

- Android Auto may not be available on all devices and is not available in all countries or regions.
- Compatible Android versions are subject to change without notice.

Preparation

1 **Connect an Android smartphone via USB terminal.** ***(P.59)***

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

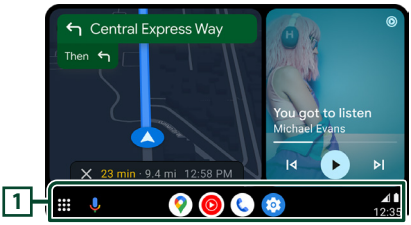
2 **Unlock your Android smartphone.**

Operation buttons 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 smartphone.

To enter Android Auto mode, touch **Android Auto** icon in the source selection screen. ***(P.10)***



1 Application/information buttons

Starts the application or displays information.

To exit the Android Auto screen

1 Press the **HOME** button.

Using voice control

1 Press the **VOICE** button.



To cancel

1 Press the **VOICE** button.

Switch to the Android Auto screen while listening to another source

1 Press the **HOME** button.
➤ HOME screen appears.

2 Touch **Android Auto**.



NOTE

- If sound is output using Android Auto when the Android Auto screen is displayed, the source is switched to Android Auto.

USB Mirroring Operation for iPhone

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

To use USB mirroring, follow the instructions on your iPhone.

NOTE

- When using USB Mirroring, park in a safe place. While driving, an iPhone screen will not appear on this unit's display.
- Some content and applications may not display or output sound due to copyright reasons.
- If your iPhone isn't working the way you want, try restarting it by turning it off and then turning it back on.

Preparation

1 Download Mirroring App from the App store.

Install the latest version of the Mirroring application "MirrorAPP+" on your iPhone.

NOTE

- Go to the MirrorAPP+ web page on the App Store to confirm compatibility.
- This application is not provided by JVCKENWOOD.
  JVCKENWOOD is not liable for any damages incurred by the customer in connection with the use of the application, except in cases where such damages are caused by JVCKENWOOD's willful misconduct or gross negligence.

Connecting an iPhone

1 **Pair your iPhone with the unit via Bluetooth.**

See ***Register the Bluetooth device (P.32)*** and ***Connect the Bluetooth device (P.33)***.

2 **Connect an iPhone via the USB terminal.**

3 **Launch Mirroring App on your iPhone.**

Touch **Screen Mirror** to start Mirroring App.

Touch **Start Broadcast** to start capturing your iPhone screen.

Wait 15 to 30 seconds until the screen calibration is complete. (First time only)

Touch **Close** to close the message.

You can display the same screen of the iPhone on the monitor of the unit.

4 **Start to enjoy Mirroring.**

NOTE

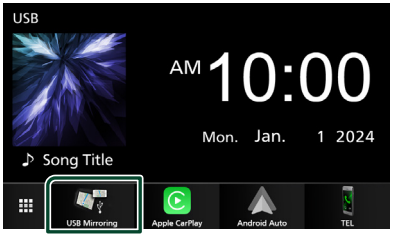
- When an advertisement appears, touch the **Close** to close it.
- When you lock iPhone screen orientation, please unlock it.

Mirroring Operation

1 **Operate your iPhone to activate Mirroring App, then connect to this unit.**

2 **Press the HOME button.**

3 **Touch USB Mirroring.**



USB Mirroring Operation for Android Smartphone

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

To use USB mirroring, follow the instructions on your Android smartphone.

NOTE

- When using USB Mirroring, park in a safe place. While driving, an Android smartphone screen will not appear on this unit's display.
- Some content and applications may not display or output sound due to copyright reasons.
- If your Android smartphone isn't working the way you want, try restarting it by turning it off and then turning it back on.

Preparation

1 **Download Mirroring App from the Google Play.**

Install the latest version of the Mirroring application "MirrorAPP+" on your Android smartphone.

NOTE

- Go to the MirrorAPP+ web page on the Google Play to confirm compatibility.
- This application is not provided by JVCKENWOOD.
  JVCKENWOOD is not liable for any damages incurred by the customer in connection with the use of the application, except in cases where such damages are caused by JVCKENWOOD's willful misconduct or gross negligence.

Connecting an Android smartphone

1 **Pair your Android smartphone with the unit via Bluetooth.**
See ***Register the Bluetooth device (P.32)*** and ***Connect the Bluetooth device (P.33)***.

2 **Connect an Android smartphone via the USB terminal.**

3 **Launch Mirroring App on your Android Smartphone.**
Touch **OK** to start Mirroring App.
Touch **Start now** to start capturing your Android screen.

4 **Start to enjoy Mirroring.**

NOTE

- When an advertisement appears, touch the **Close** to close it.

Mirroring Operation

1 **Operate your Android smartphone to activate Mirroring App, then connect to this unit.**

2 **Press the HOME button.**

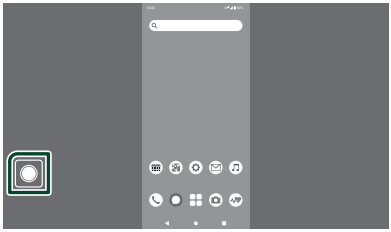
3 **Touch USB Mirroring.**



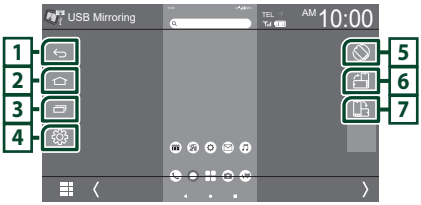
- After the app's advertisement ends, you can display the same screen of the Android smartphone on the monitor of the unit.

Operation buttons

1 **Touch on the bottom left of the screen.**



➤ Operation menu appears.



1

Works the same as the Back button on the Android smartphone.

2

Works the same as the Home button on the Android smartphone.

3

Works the same as the App Overview button on the Android smartphone.

4

Displays the SETUP Menu screen.

5

Automatically rotates the screen to match the orientation of your smartphone.

6

Displays the screen in portrait orientation regardless of the orientation of the smartphone.

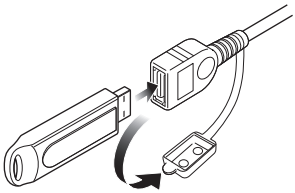
7

Displays the screen in landscape orientation regardless of the orientation of the smartphone.

USB

Connecting a USB device

1 **Connect the USB device with the USB cable.** ***(P.57)***



2 **Press the HOME button.**

3 **Touch** .

4 **Touch USB.** ***(P.10)***

Disconnect the USB device

1 **Press the HOME button.**

2 **Touch** .

3 **Touch a source other than USB.**

4 **Detach the USB device.**

Usable USB device

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

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

● About file system

The file system should be the one of the following.

• FAT16 • FAT32 • exFAT • NTFS

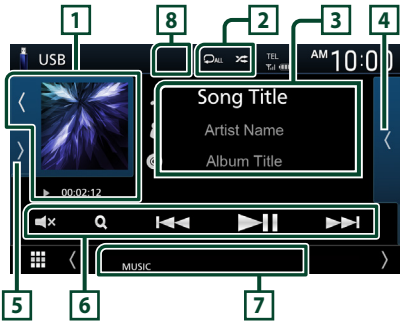
NOTE

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

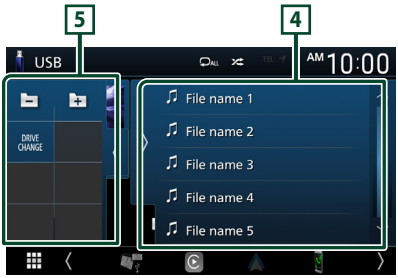
USB Basic Operation

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

Control screen



Open the drawer



1 Artwork/ Play mode indicator/ Playing time

The jacket of the currently playing file is displayed.

- Touch ❮ / ♪ allows you to hide/display the artwork area.
- ►, ►►, etc.: Current play mode indicator
  The meanings of each icon are as follows; ► (play), ►► (fast forward), ◄◄ (fast backward), ❚❚ (pause).

2 /

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

3 Track information

Displays the information of the current file.

Only a file name and a folder name are displayed if there is no tag information.

4 Content list

Touch on the right side of the screen to display the Content list. Touch to close the list.

Displays the playing list. When you touch a track/file name on the list, playback will start.

5 Function panel

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

- : Searches previous/next folder.
- **DRIVE CHANGE** :Switches between partitions in a USB memory that has been fragmented into multiple partitions (up to 2 drives).
- **ASPECT** (Only during video playback): Select screen mode.
  Full : Changes the aspect ratio of video and displays fully on the screen.
  Normal : Display with 4:3 ratio.
  Auto : Displays video fully on vertical or horizontal with no ratio change.

6 Operation keys

- : Searches track/file. For details on search operation, see ***Search Operation (P.20)***.
- : Searches the previous/next track/file.
  Touch and hold to fast forward or fast backward.
- : Plays or pauses.
- : Touch to mute or not to mute.

7 Indicator Items

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

8 Hide (Video file only)

Touch to hide the operation keys.

Video screen



9 Searching file area (Video file only)

Touch to search the next/previous file.

10 Key display area (Video file only)

Touch to display the control screen.

Search Operation

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

1 Touch 🔍.

2 Touch ▼.



3 Select the list type.



NOTE

- For operations in the list screen, see ***List screen (P.12)***.

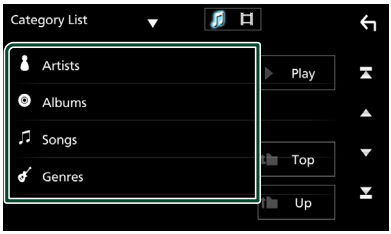
Category search

You can search a file by selecting category.

1 Touch **Category List**.

2 Select whether you search by audio files 🎵.

3 Touch the desired category.



➤ The list corresponding to your selection appears.

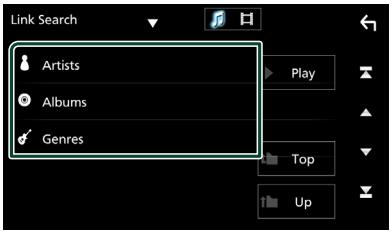
4 Touch to select desired item in the list. Repeat this step until you find the desired file.

Link search (Audio file only)

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

1 Touch **Link Search**.

2 Touch the desired tag type. You can select from artist, album and genre.



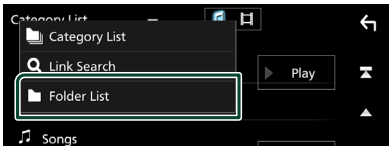
➤ The list corresponding to your selection appears.

3 Touch desired item from the content list.

Folder search

You can search a file according to hierarchy.

1 Touch **Folder List**.



2 Select whether you search audio files 🎵 or video files 🎞.

3 Touch the desired folder.



When you touch a folder its contents are displayed.

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

Radio

Radio Basic Operation

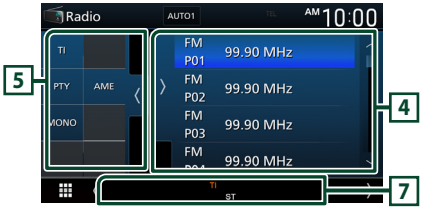
Most functions can be controlled from the source control screen.

To enter Radio source, touch **Radio** icon in the source selection screen. ***(P.10)***

Control screen



Open the drawer



1 Information display

Displays the information of the current station: Frequency

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

- Content A: PS name, Radio Text, PTY Genre
- Content B: Radio Text plus, Title Artist

Preset# : Preset number

2 Seek mode

Switches the seek mode in the following sequence; **AUTO1** , **AUTO2** , **MANUAL** .

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

3 Operation keys

- ◄◄ ►► : Tunes in a station. The method of frequency switching can be changed (see 2 in table).
- : Touch to mute or not to mute.

4 Preset list

- Touch ❮ twice on the right side of the screen to display the Preset list. Touch ❯ to close the list.
- Recalls the memorized station.
- When touched for 2 seconds, stores the current receiving station in memory.

5 Function panel

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

- **TI** (FM only): Sets the traffic information mode on. For details, see ***Traffic Information (P.23)***.
- **PTY** (FM only): Searches a program by setting program type. For details, see ***Search by program type (P.22)***.
- **AME** : Presets stations automatically. For details, see ***Auto memory (P.22)***.
- **MONO** (FM only): Select the Monaural reception.

6 FM AM

Switches the band.

7 Indicator Items

- **ST** : A stereo broadcast is being received.
- **MONO** : The forced monaural function is on.
- **TI** : Indicates the reception state of traffic information.
  White: TP is being received.
  Orange: TP is not being received.

Memory Operation

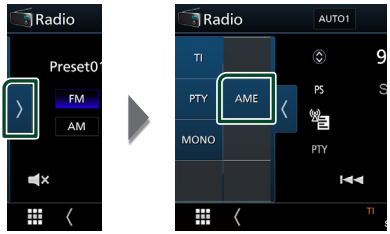
Auto memory

You can store stations with good reception in memory automatically.

1 **Touch desired band key.**



2 **Touch ❭ on the left side of the screen. Touch AME.**



➤ A confirmation screen appears.

3 **Touch Yes.**

➤ Auto memory starts.

Manual memory

You can store the current receiving station in memory.

1 **Select a station you wish to store in memory.**

2 **Touch FM# (#: 1-24) or AM# (#: 1-12) on the preset list in which you want to store the station for 2 seconds.**

Selecting Operation

Preset select

You can list and select memorized station.

1 **Touch ❬ twice on the right side of the screen. Select a station from the list.**



Search by program type (FM only)

You can tune to a station with a specific program type when listening to FM.

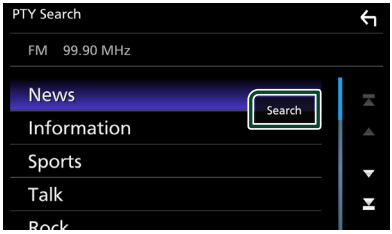
1 **Touch ❭ on the left side of the screen. Touch PTY.**



➤ PTY Search screen appears.

2 **Select a program type from the list.**

3 **Touch Search.**

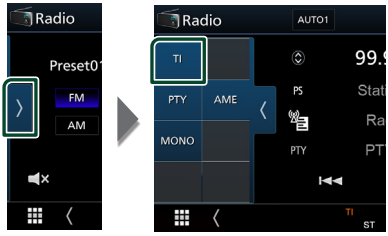


You can search a station of the selected program type.

Traffic Information (FM only)

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

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



➤ Traffic information mode is set.

When the traffic bulletin starts

The Traffic Information screen appears automatically.



SiriusXM® (DMX4710S/ DMX40S)

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. ***(P.10)***

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 Canadian Subscriptions, please contact:
  Online:
  Visit www.siriusxm.ca/activate
  Phone:
  Call SiriusXM Customer Care at 1-888-539-7474

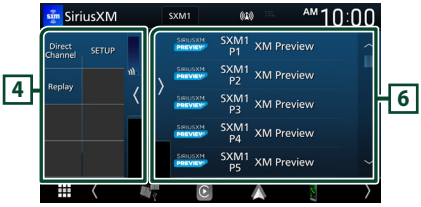
NOTE

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

Control screen



Open the drawer



1 Information display

- Displays the information on the current channel: Channel Name
  P# : Preset number
  #CH : Channel number
  Logo : Channel logo
  Touching allows you to switch between Content A and Content B.
  – Content A: Artist Name, Song Title
  – Content B: Content Info, Category Name

NOTE

- While getting contents, "Waiting" is showing on the display.

2 Band button

Switches among bands. (SXM1/SXM2/SXM3/ SXM4)

3 Artwork

- Touch ❮ / ♪ allows you to hide/display the artwork area.

4 Function panel

- Touch ❯ of the screen to display the function panel. Touch ❮ to close the panel.
  - **Direct Channel**: Touch and enter the desired number. For details, see ***Direct search (P.26)***.
  - **SETUP**: Touch to display the SiriusXM SETUP screen. For details, see ***SiriusXM Setup (P.27)***.
  - **Replay/Live**: Touch to turn on or off the replay mode. See ***Replay (P.27)***.

5 Operation keys

- 🔍 : Display the Category search screen. For details on search operation, see ***Category/ Channel search (P.26)***.
- ►II : Plays or pauses. See ***Replay (P.27)***.
- **CH▼ CH▲** : Selects a channel.
- 🔇 : Touch to mute or not to mute.

6 Preset list

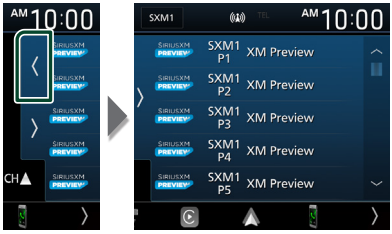
- Touch ❮ / ❯ allows you to change the display size.
- Recalls the memorized channel.
- When touched for 2 seconds, stores the currently being received channel in the memory.

Storing Channels in Preset Memory

You can store the current channel in memory.

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

2 Touch ❮ on the right side of the screen.



3 Touch SXM(1-4) P(1-6) in which you want to store the channel for 2 seconds.

Preset select

You can list and select memorized channels.

To select from the preset list

1 Touch ❮ on the right side of the screen. Select a channel from the list.



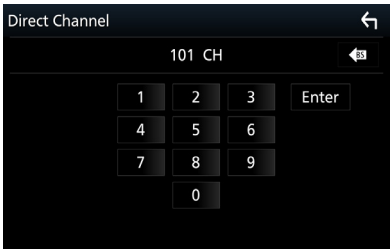
Direct search

You can tune in a channel directly.

1 **Touch 〉 on the left side of the screen. Touch Direct Channel.**



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



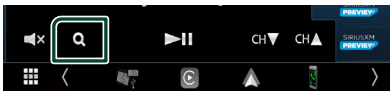
NOTE

- To clear the number you entered, touch **BS**.

Category/Channel search

You can specify the desired category and select a channel.

1 **Touch 🔍.**

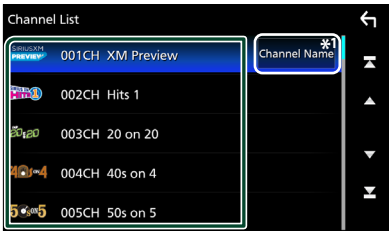


2 **Select a category.**



➤ Channel list appears.

3 **Select the desired content from the list.**



*[1] Touch to select a desired item: channel name, artist name, song title, content info, category name.

NOTE

- All channels in the selected category appear.
- Touching **All-Channels** displays all channels.

Replay

You can replay the last 60 minutes of the program from the current channel.

1 **Touch ►II or Replay on the function panel.**



■ |◄◄ ►►|

Press to skip to the previous/next track.

Press and hold to rewind or fast forward.

■ ►II

Plays or pauses.

■ **Replay time bar/Play mode indicator**

Displays the recorded data capacity and playback position.

►, ►►, etc.: Current play mode indicator

To return to live music/content

1 **Touch 〉 on the left side of the screen.**

2 **Touch Live.**

SiriusXM Setup

1 **Touch 〉 on the left side of the screen.**
Touch SETUP.



➤ SiriusXM SETUP screen appears.
See the following sections for each setting.

- Set up the Parental Code ***(P.28)***
- Set up the Parental Control ***(P.28)***
- Set up the Parental Lock Channel ***(P.29)***
- Set up the skip channel select ***(P.29)***
- Reset to the default settings ***(P.30)***

Parental code

You can set a SiriusXM parental code for Parental Control.

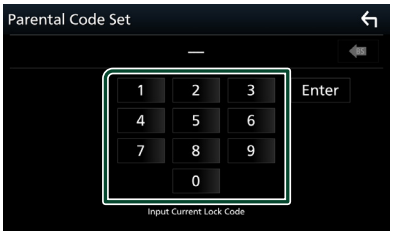
1 **Touch Parental Code on the SiriusXM SETUP screen.**

➤ Parental Code Set screen appears.

NOTE

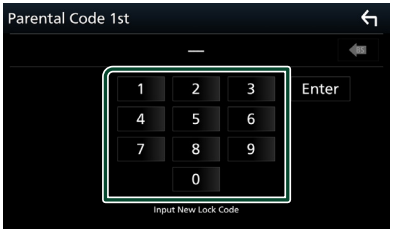
• The code number is set to "0000" as default.

2 **Enter the current code number and touch Enter.**



➤ Parental Code 1st screen appears.

3 **Enter the new code number and touch Enter.**



➤ Parental Code 2nd screen appears.

4 **Enter the same code number as that you entered in step 3 and touch Enter.**

➤ The code number is confirmed and the SiriusXM parental code is now set.

Parental Control

The Parental Control feature allows you to limit access to any SiriusXM channels, including those with mature content. When enabled, the Parental Control feature requires you to enter a Parental Code to tune to the locked channels.

1 **Touch Parental Control on the SiriusXM SETUP screen.**

2 **Touch User, Mature or OFF.**

■ **User**
Locks only the selected channels.

■ **Mature**
Locks channels classified as "mature" only.

■ **OFF**
Deactivates the parental mature and user locks.

3 **Enter the parental code you originally input in as stated in *Parental code (P.28)* and touch Enter.**

When selecting User

This allows you to limit access to any SiriusXM channel (Parental Lock Channel).

1 Touch **Parental Lock Channel Selection** on the SiriusXM SETUP screen.

➤ Parental Lock Code screen appears.

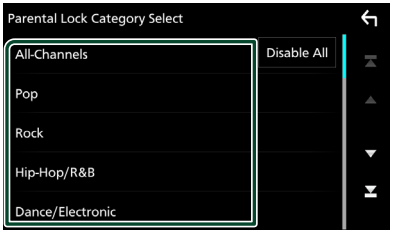
NOTE

- You need to set up a parental code beforehand as stated in ***Parental code (P.28)***.

2 Enter the parental code you originally input as stated in ***Parental code (P.28)*** and touch **Enter**.

➤ Parental Lock Category Select screen appears.

3 Touch the desired category in the list.



➤ Displays all channels in the selected category.

NOTE

- Touch **All-Channels** to display all channels.
- To delete the parental lock channel setting, touch **Disable All** and then touch **Yes** on the confirmation screen.

4 Touch each channel on the list and set to **ON** or **OFF**.

ON: Locks the channel.

OFF: Unlocks the channel.



*1 Select a desired item (**Info**, **CH Name**, **Artist**, **Title**).

Skip channel select

You can set the undesired channels to skip.

1 Touch **Skip Channel Select**.

➤ Skip Category Select screen appears.

2 Touch the desired category from the list.



➤ Displays all channels in the selected category.

3 Touch each channel in the list and set to **ON** or **OFF**.



*1 Touch to select a desired item: channel name, artist name, song title, content info, category name.

NOTE

- To delete the skip channel setting, touch **Disable All** and then touch **YES** on the confirmation screen.
- Direct Channel and Preset Memory functions allow you to select channels.

Reset

1 **Touch SiriusXM Reset on the SiriusXM SETUP screen.**

➤ Confirmation screen appears.

2 **Touch Yes.**

➤ All SiriusXM settings are reset to defaults.

Bluetooth Control

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

Information for using Bluetooth® devices

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

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

NOTE

- While driving, do not perform complicated operations such as dialing numbers, using the phone book, etc. When you perform these operations, stop your car in a safe place.
- Some Bluetooth devices may not connect 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.
- For some Bluetooth devices, the device is disconnected when the unit is turned off.

About the cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version
Bluetooth Ver. 5.0
Profile
Cell-phone:
HFP (Hands Free Profile)
PBAP (Phonebook Access Profile)
Audio player:
A2DP (Advanced Audio Distribution Profile)
AVRCP (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 following the procedure prescribed by Bluetooth SIG.
- However, it may be impossible for such units to communicate with your cell-phone depending on its type.

Register the Bluetooth device

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

You can register up to 7 Bluetooth devices.

NOTE

- Up to 7 Bluetooth devices can be registered. If an attempt is made to register the 8th Bluetooth device, the Bluetooth device connected on the earliest date will be deleted to register the 8th one.

1 Turn on the Bluetooth function on your smartphone/cell-phone.

2 Search the unit ("DMX***") from your smartphone/cell-phone.**

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

■ **Confirm the request on the smartphone/cell-phone.**



4 Touch Yes.

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

Connection Setup

1 Press the MENU button.

➤ Popup menu appears.

2 Touch .



➤ SETUP Menu screen appears.

3 Touch Connection.



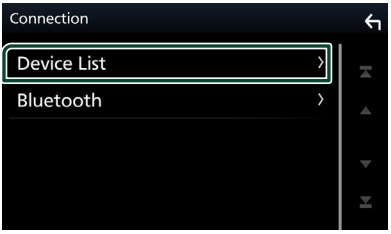
➤ Connection screen appears.

See the following section for each setting.

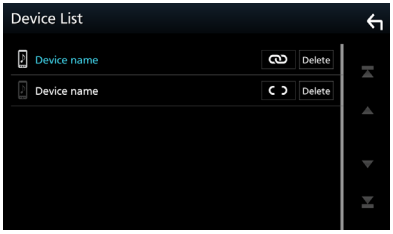
- Connect the Bluetooth device ***(P.33)***

Connect the Bluetooth device

1 Touch **Device List** in the Connection screen.



2 Touch you want to connect.

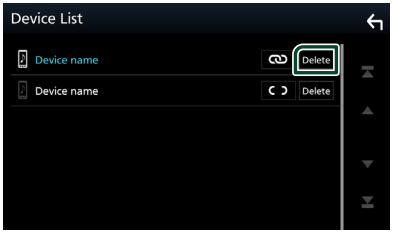


NOTE

- If turns to , it means that the unit will use that device.

To delete the registered Bluetooth device

1 Touch Delete.



➤ Confirmation message appears.

2 Touch **Yes**.

Playing Bluetooth Audio Device

Most function can be controlled from the source control screen.

To enter Bluetooth source, touch **Bluetooth Audio** icon in the source selection screen. ***(P.10)***

Bluetooth basic operation

Control screen



1 /

- : Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence; File repeat ( ), Folder repeat ( ), All songs repeat ( ), Repeat off ( )
- : Randomly plays all tracks in current folder. Each time you touch the key, random mode switches in the following sequence; All random ( ), Random off ( )
- Operations and display indications may differ according to their availability on the connected device.

2 Information display *

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

3 Operation keys *

- : Searches file. See ***File search (P.34)***.
- ◄◄ ►►: Searches the previous/next content. Touch and hold to fast forward or fast backward.
- ►: Plays.
- ❚❚: Pauses.
- : Touch to mute or not to mute.
- : Displays the Device List screen. ***(P.33)***

4 Play mode indicator/ Playing time

- Touch ❮ / ♪ allows you to hide/display the artwork area.
- ►, ❚❚: Current play mode indicator
  The meanings of each icon are as follows;
  ► (play), ►► (fast forward), ◄◄ (fast backward), ❚❚ (pause).

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

NOTE

- If the operation keys do not appear, operate from the player.
- Depending on your cell-phone or audio player, audio may be heard and controlled but text information may not appear.
- If the volume is too low, raise it on your cell-phone or audio player.

File search

1 Touch 🔍.

2 Touch the desired file or folder.



When you touch a folder its contents are displayed.

3 Touch desired item from the content list.

➤ Playback starts.

NOTE

- For operations in the list screen, see ***List screen (P.12)***.

Using Hands-Free Unit

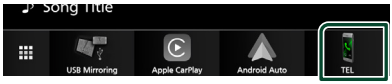
You can use telephone function by connecting the Bluetooth telephone to this unit.

NOTE

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

Make a call

1 Touch .



➤ Hands Free screen appears.

NOTE

- If your mobile phone supports PBAP, you can display the phone book and call lists on the touch panel screen when the mobile phone is connected.
  – Phone book: up to 1000 entries
  – Up to 20 entries including dialed calls, received calls, and missed calls

2 Select a dialing method.



- : Call using call records
- : Call using the phonebook
- : Call using the preset number
- : Call by entering a phone number
- : Voice Recognition ***(P.36)***
- : Device List

● **Device List**

1) Touch .
Device List screen appears.

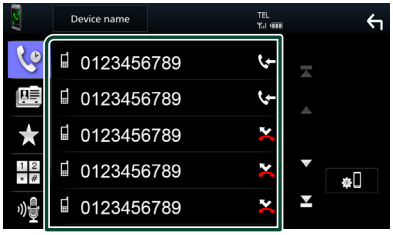
NOTE

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

Call using call records

1 Touch .

2 Select the phone number from the list.



Call by entering a phone number

1 Touch .

2 Enter a phone number with number keys.

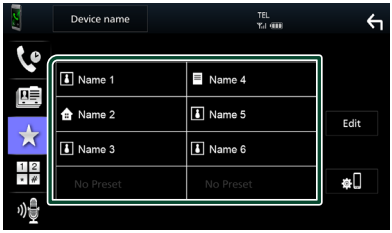


3 Touch .

Call using the preset number

1 Touch .

2 Touch the Name or phone number.



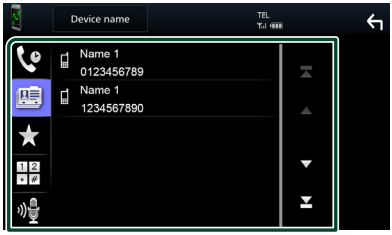
Call using the phonebook

1 Touch .

2 Select the person you want to call from the list.



3 Select the phone number from the list.



NOTE

- If no Phonebook has been downloaded, touching **Download Phonebook Now** will start downloading the Phonebook.

Voice Recognition

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

1 **Press the VOICE button.**



➤ Voice Recognition screen appears.

2 **Start speaking.**

NOTE

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

Receive a call

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



NOTE

- While monitoring the view camera, this screen does not appear even if a call comes in. To display this screen, return the shift knob of car to the driver position.

To end call

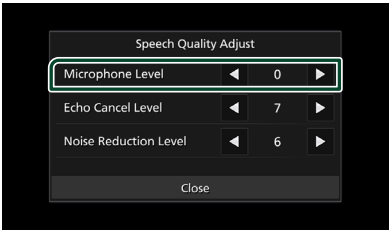
1 **While talking, touch .**

Operations during a call



● **Adjust the volume of your voice**

1) Touch **Speech Quality**.
2) Touch ◀ or ▶ for **Microphone Level**.



● **Adjust the receiver volume**

Press the ▼ or ▲ button.



● **Output the dial tone**

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

● **Switching the speaking voice output**

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

● **Call-waiting**

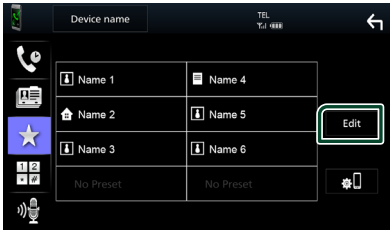
When you receive a call while talking on another call, you can answer the newly received call by touching . The current call is on hold.
Each time you touch , the caller will change.
When you touch , the current call will end and switch to the call in hold.

Phone number preset

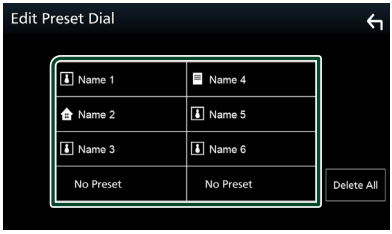
You can register frequently used phone numbers to this unit.

1 Touch .

2 Touch **Edit**.



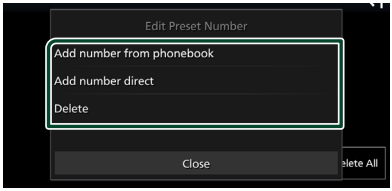
3 Select where to preset.



■ **Delete all**

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

4 Select how to preset.



■ **Add number from phonebook**

Select the number to preset from the phonebook. See ***Call using the phonebook (P.35)***.

■ **Add number direct**

Enter the telephone number directly and touch **SET**. See ***Call by entering a phone number (P.35)***.

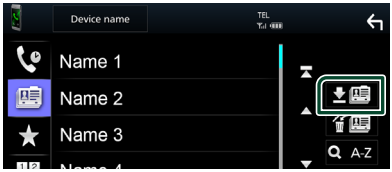
■ **Delete**
To delete a preset number, touch **Delete** and then touch **Yes** on the confirmation screen.

Phonebook transfer

You can transfer the phonebook in your Bluetooth smartphone via PBAP.

1 Touch .

2 Touch .



➤ The phonebook data transmission starts.

NOTE

- If the Phonebook contains more than 1000 entries, Phonebook data cannot be transferred.

Phonebook deletion

1 Touch .
➤ Confirmation message appears.

2 Touch **Yes**.

Hands-Free Setup

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

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

2 Touch .



➤ SETUP Menu screen appears.

3 Touch **Connection**.

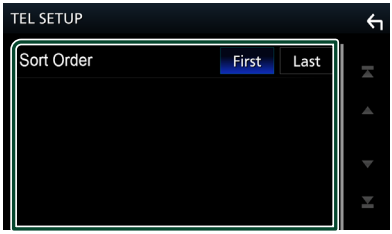


➤ Connection screen appears.

4 Touch **Bluetooth**
➤ Bluetooth screen appears.

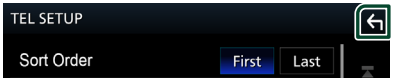
5 Touch **TEL SETUP**.
➤ TEL SETUP screen appears.

6 Set each function as follows.



■ **Sort Order**
Set how to sort the data in the smartphone/cell-phone phonebook.
First (Default) : Sorts data by the first name.
Last : Sorts data by the last name.

7 Touch .



Other External Components

View Camera

⚠ CAUTION

The position of parking guidelines displayed on the monitor may differ from actual condition.
Please take the actual parking guidelines as reference and check with eyes.

NOTE

- To connect a camera, see ***P.57***.
- To use a rear view camera, a REVERSE lead connection is required. ***(P.58)***
- The rear view screen is displayed when you shift the gear to the reverse (R) position.

Display the camera screen

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

2 **Touch** .



➤ View camera screen appears.

3 **Adjust each item as follows.**



1 Camera off
Touch to exit the camera screen.

Camera Setup

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

2 **Touch** .
➤ SETUP Menu screen appears.

3 **Touch Camera.**



➤ Camera screen appears.

4 **Set each item as follows.**

■ **Rear Camera Message**
Always display (Default): Always displays the caution message on the rear camera interruption screen.
Clear after 5 seconds: Displays the caution message for about 5 seconds on the rear camera interruption screen.

■ **Parking Guidelines**
You can display parking guidelines to enable easier parking when you shift the gear to the reverse (R) position.
Default is "ON".

■ **Guidelines SETUP**
If you select **ON** for **Parking Guidelines**, adjust the parking guidelines. See ***To adjust the parking guidelines (P.40)***.

To adjust the parking guidelines

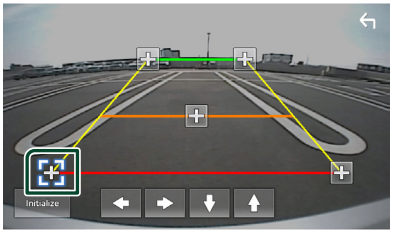
NOTE

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

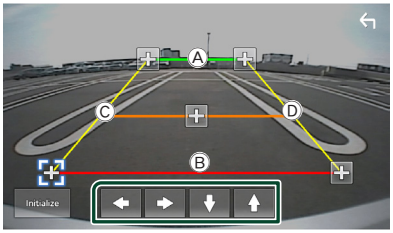
1 Touch **ON** of **Parking Guidelines** in the Camera screen. *(P.39)*

2 Touch **Guidelines SETUP** in the Camera screen.

3 Adjust the parking guidelines by selecting the mark.



4 Adjusting the position of the selected mark.



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

NOTE

- Touch **Initialize** and after touch **Yes** to set all the marks to the initial default position.

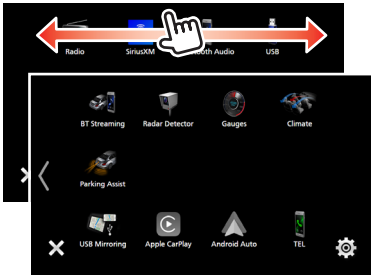
Maestro Features Operation (DMX4710S/ DMX40S)

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

1 Press the **HOME** button.
➤ HOME screen appears.

2 Touch on the HOME screen.

3 Touch icon.



TEL	• Displays the control screen of the Bluetooth Hands-Free function provided for the vehicle.
Vehicle Info	• Displays vehicle information such as tire pressure, battery voltage, check engine codes.
Satellite Radio	• Display and control the OEM satellite radio.
Media Player	• Display and control the OEM media player.
BT Streaming	• Displays the control screen of the Bluetooth streaming source provided for the vehicle.
Radar Detector	• Display and controls the radar detector.
Gauges	• Displays information from the vehicle data lines, such as speedometer and fuel economy.
Climate	• Displays information about the status of the climate control system in the vehicle.
Parking Assist	• Displays information from the vehicle's parking sensors.

NOTE

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

Setting Up

Monitor Screen Setup

You can adjust image quality in video screen.

1 **Press the MENU button.**

➤ Popup menu appears.

2 **Touch** .



➤ Screen Control screen appears.

3 **Adjust each item as follows.**



■ **Backlight**

■ **Contrast**

■ **Brightness**

■ **Color**

■ **Tint**

■ **Aspect**

Select screen mode.

Auto (Default): Displays video fully on vertical or horizontal with no ratio change.

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

Normal : Display with 4:3 ratio.

NOTE

- Adjusting items are different depending on the current source.

System Setup

1 **Press the MENU button.**

➤ Popup menu appears.

2 **Touch** .



➤ See the following section for each setting.

- Set up AV ***(P.45)***
- Set up display ***(P.44)***
- Set up the user interface ***(P.43)***
- Set up camera ***(P.39)***
- Set up special ***(P.43)***
- Set up Connection ***(P.32)***

User Interface Setup

You can setup user interface parameters.

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

2 **Touch** ⚙.
➤ SETUP screen appears.

3 **Touch User Interface.**



➤ User Interface screen appears.

4 **Set each item as follows.**

■ **Beep**
Turns the key touch tone on or off.
Default is "**OFF**".

■ **Language**
Selects a language.

■ **Parking Assist Display (DMX4710S/ DMX40S only)**
When the iDatalink Maestro (commercially available) is connected, you can display information about obstacles around the car.
ON: Always displays information.
Dyn.: Displays information when the sensor detects obstacles.
OFF (Default): Cancels this function.
This can be set when the iDatalink Maestro (commercially available) is connected.

■ **Parking Assist Position (DMX4710S/ DMX40S only)**
If you select **ON** or **Dyn.** for Parking Assist Display, select the position of car illustration.
"**Left**" / "**Right**" (Default)
This can be set when the iDatalink Maestro (commercially available) is connected.

■ **Time Format**
Select the time display format.
"**12-Hour**" (Default)/ "**24-Hour**"

■ **Clock**

■ **Daylight Saving**

■ **Time Zone**

■ **Clock Adjust**
You can set the date and time.

Special Setup

You can setup Special parameters.

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

2 **Touch** ⚙.
➤ SETUP screen appears.

3 **Touch Special.**



➤ Special screen appears.

4 **Set each item as follows.**

■ **DEMO**
Set the demonstration mode. Default is "**ON**".

■ **Product Info**
Displays the product information.
Check the serial number of this unit.

■ **Software Information**
Check the software version of this unit.
(P.43)

■ **Open Source Licenses**
Displays the open source licenses.

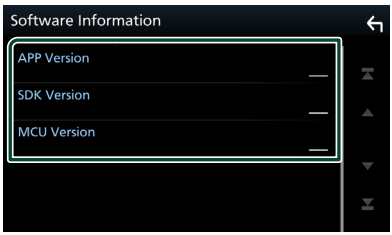
■ **Initialize**
Touch **Initialize** and then touch **Yes** to set all the settings to the initial default settings.

Software Information

Check the software version of this unit.

1 **Touch Software Information in the Special screen.**

2 **Confirm the software version.**



Display Setup

1 **Press the MENU button.**

➤ Popup menu appears.

2 **Touch** .

➤ SETUP screen appears.

3 **Touch Display.**



➤ Display screen appears.

4 **Set each item as follows.**

■ **Dimmer**

Select dimmer mode.

OFF : The display and buttons do not dim.

ON : The display and buttons dim.

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

■ **OSD Clock**

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

"**ON**" (Default)/"**OFF**"

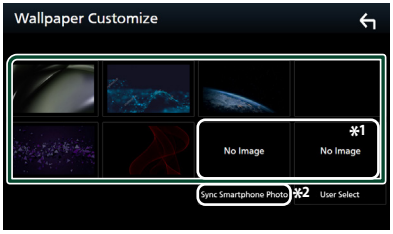
■ **Wallpaper Customize**

Changing wallpaper image. ***(P.44)***

Change wallpaper image

1 **Touch Wallpaper Customize in the Display screen.**

2 **Select an image.**



*1 Select an original image in advance.

*2 This function is available once MirrorAPP+ is installed on your iPhone or Android smartphone. See the description of the application for details.

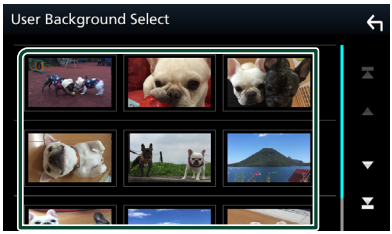
To register original image

You can load an image from the connected USB device and set it for the wallpaper image.

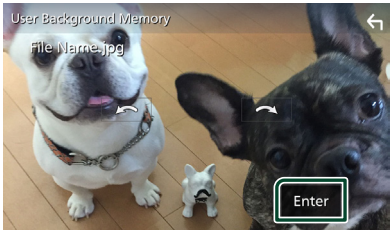
Before operating this procedure, it is necessary to connect the device which has the image to load.

1 **Touch User Select in the wallpaper screen.**

2 **Select the image to load.**



3 **Touch Enter.**



➤ The selected image is loaded and the display returns to the wallpaper screen.

NOTE

- Touching rotates counter clockwise.
- Touching rotates clockwise.
- Picture files: JPEG (.jpg, .jpeg), PNG (.png), BMP (.bmp)
- Maximum number of pixels: 1200 x 1200
- Bit depth: 24 bit

AV Setup

You can set AV parameters.

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

2 **Touch** .
➤ SETUP screen appears.

3 **Touch AV.**



➤ AV screen appears.

4 **Set each item as follows.**

■ **AV-OUT**
Specify whether to output the current source signal from the VIDEO OUT terminal.
"**ON**"/"**OFF**" (Default)

NOTE
- Images can be output only from the USB (video file) source.

■ **Driving Position**
Select the position of the control bar (left or right) shown on the touch panel.
"**Left**" (Default)/"**Right**"

NOTE
- The setting is available when an iPhone is disconnected.

■ **Reverse with ATT**
When the gear is shifted to the reverse (R) position, the volume of the device is adjusted.
"**ON**"(Default) /"**OFF**"

■ **Guidance Volume**
Adjust the level of guidance volume. Default is "15"

■ **Voice Recognition Volume**
Adjust the level of voice recognition volume. Default is "15"

■ **Phone Incoming Volume**
Adjust the level of phone incoming volume. Default is "15"

■ **Phone Calling/Talking Volume**
Adjust the level of phone calling/talking volume. Default is "15"

■ **Speech Quality Adjust**
Adjust the speech quality.
Microphone Level : Adjust the level of microphone gain.
Echo Cancel Level : Adjust the level of echo cancellation.
Noise Reduction Level : Reduce the noise generated in the surrounding environment without changing the microphone volume. Use this function when the voice of caller is not clear.

■ **Maestro SETUP (DMX4710S/ DMX40S only)**
Access settings for the iDatalink Maestro (commercially available), including settings menus for advanced camera controls, vehicle diagnostics, OEM Settings menus, and more. (Requires installation of an iDatalink Maestro in a compatible vehicle).

■ **Vehicle Feature Settings**
This function requires a commercial adaptor. Consult your KENWOOD dealer for details.

Connection Setup

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

2 **Touch** .
➤ SETUP Menu screen appears.

3 **Touch Connection.**



➤ Connection screen appears.

4 **Touch Bluetooth.**
➤ Bluetooth screen appears.

5 **Set each parameter as follows.**

■ **Bluetooth Device Name**
You can change the Bluetooth device name.
See ***Change the device name for Bluetooth (P.46)***.

■ **Bluetooth MAC Address**
Display the MAC address.

■ **Auto Response***
Set the automatic response time to pick-up an incoming call.
OFF (Default): Turns off the Automatic response function.
20/**25**/**30**: Sets the ringing time (second).

■ **TEL SETUP**
You can change the settings for Hands-Free function. See ***Hands-Free Setup (P.38)***.

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

Change the device name for Bluetooth

1 **Touch Device Name on the Connection screen.**
➤ Change Device Name screen appears.

2 **Touch** .

3 **Input the device name.**



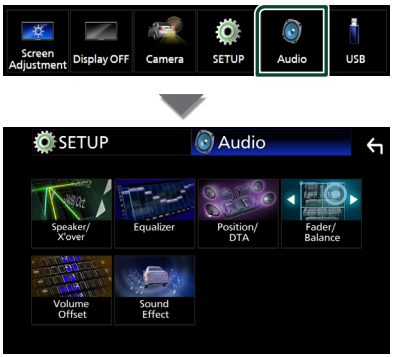
4 **Touch Enter.**

Controlling Audio

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

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

2 **Touch** .



➤ See the following section for each setting.

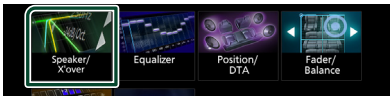
- Set up speaker/ X'over ***(P.47)***
- Controlling equalizer ***(P.49)***
- Set listening position/ DTA ***(P.51)***
- Controlling general audio (Fader / Balance) ***(P.48)***
- Set volume offset ***(P.50)***
- Set sound effect ***(P.50)***

Speaker/ X'over setup

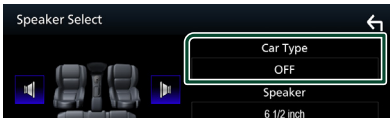
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

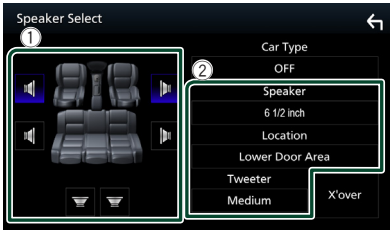
3 **Touch Speaker/X'over.**



4 **Select a car type.**
You can setup the car type and speaker network, etc.
If your car type is selected, the Delay Time Alignment is set automatically (for timing adjustment of sound output for each channel) to have the highest surround effects.



5 **Touch the speaker (①) you wish to adjust and set each item (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 set, the speaker crossover network is set automatically.

■ Location (Only for Front, Rear)
Select the speaker position you have fixed.

■ **Tweeter (Only for Front)**
You can set the tweeter when you are selecting front speakers.
None, **Small**, **Medium**, **Large**

■ **X'over**
Displays the speaker crossover setup screen.
You can adjust the crossover setup that was set automatically when you selected the speaker type.
For details, see ***Crossover network setup (P.48)***

Crossover network setup

You can set a crossover frequency of speakers.

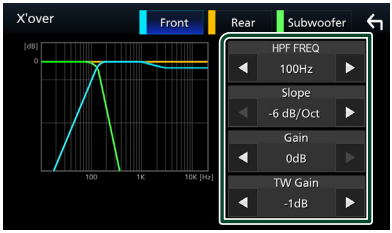
1 **Touch X'over.**



2 **Touch the speaker to set.**



3 **Set each item as follows.**



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

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

■ **Slope** *1
Sets a crossover slope.

■ **Gain**
Adjusts the front speaker, rear speaker, or subwoofer level.

■ **TW (Tweeter) Gain** *2
Adjusts the tweeter level. (When front is selected on Speaker Select screen)

■ **Phase Inversion** *3
Sets the phase of subwoofer output.
Check **Phase Inversion** to shift the phase 180 degrees. (When subwoofer is selected on Speaker Select screen)

*1 Only when "**LPF FREQ**"/"**HPF FREQ**" is set to a mode other than "**Through**" in **X'over**.
*2 Only when "**Tweeter**" is set to "**Small**", "**Medium**", "**Large**" in **Speaker Setup**.
*3 Only when "**Subwoofer**" is set to a mode other than "**None**" in **Speaker Setup**.

Controlling General Audio

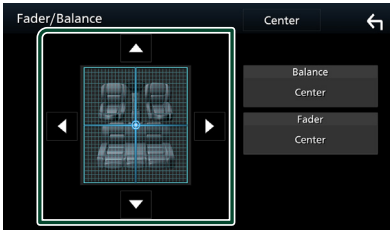
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

3 **Touch Fader / Balance.**



4 **Set each item as follows.**



■ **Fader / Balance**
Adjust the volume balance around the touched area.
◄ and ► adjust the right and left volume balance.
▲ and ▼ adjust the front and rear volume balance.

■ **Center**
Clear the adjustment.

Equalizer Control

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

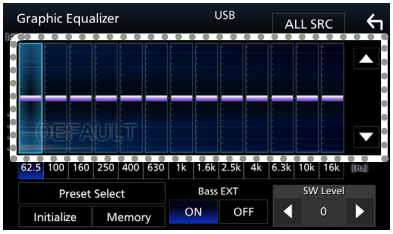
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

3 **Touch Equalizer.**



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



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

■ **Gain level (dotted frame area)**
Adjust the gain level by touching the each frequency bar.
You can select frequency bar and adjust its level by ▲, ▼.

■ **Preset Select**
Displays the screen to recall the preset equalizer curve.

■ **Initialize**
The current EQ curve returns to flat.

■ **Memory**
Saves the adjusted equalizer curve from "**User1**" to "**User3**".

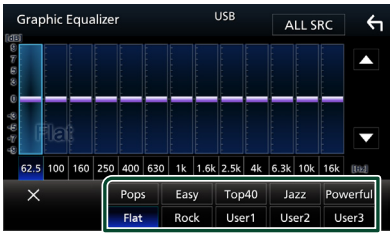
■ **Bass EXT (Bass Extend Settings)**
When turned on, the frequency lower than 62.5 Hz is set to the same gain level as 62.5 Hz.

■ **SW Level**
Adjusts the subwoofer volume.

Recall the EQ curve

1 **Touch Preset Select.**

2 **Select EQ curve.**

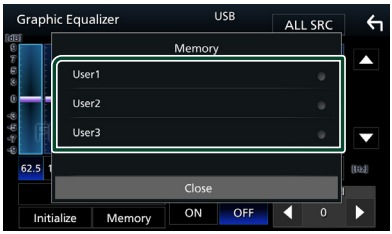


Save the EQ curve

1 **Adjust the EQ curve.**

2 **Touch Memory.**

3 **Select where to save.**



Volume Offset

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

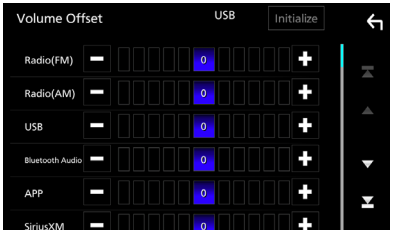
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

3 **Touch Volume Offset.**



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



■ **Initialize**
Returns to the initial settings.

* If you have increased the volume first, then reduced the volume using the "Volume Offset", the sound generated if you suddenly switch to another source may be extremely loud.

Sound Effect

You can set sound effects.

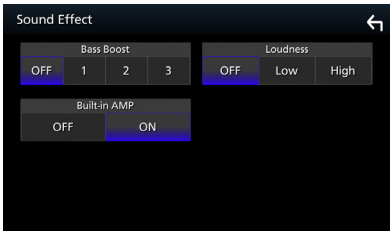
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

3 **Touch Sound Effect.**



4 **Set each item as follows.**



■ **Bass Boost**
Sets the amount of bass boost among "**OFF**"/"**1**"/"**2**"/"**3**".

■ **Loudness**
Sets the amounts of boost of low and high tones.
"**OFF**","**Low**","**High**"

■ **Built-in AMP**
Turn ON/OFF the built-in amplifier.
When an external power amplifier is connected, stopping the current flowing to the built-in amplifier will reduce heat generation and produce better sound.
"**OFF**","**ON**"

Listening Position/ DTA

Adjust the sound delay time as nearer speakers to the selected seat have more delay time, so that the sound from each speaker arrive a listener at the same time.

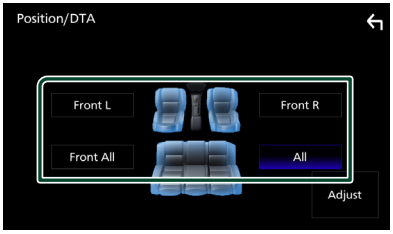
1 **Press the MENU button.**
➤ Popup menu appears.

2 **Touch** .
➤ Audio screen appears.

3 **Touch Position/DTA.**



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



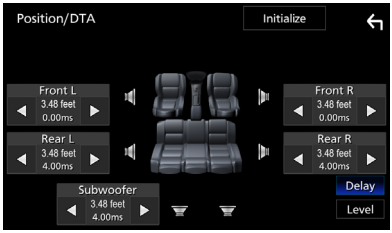
Position DTA control

You can fine-adjust your listening position.

1 **Touch Adjust.**

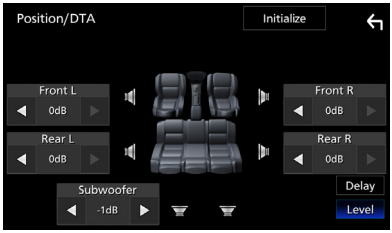
2 **Touch Delay.**

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 return to the initial setting of Delay and Level, touch **Initialize** and **Yes** in the confirmation screen.

Remote control

This unit can be operated using the remote control KCA-RCDV340 (optional accessory).

⚠ CAUTION

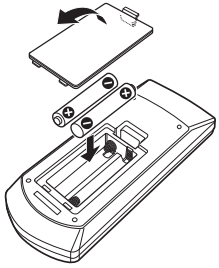
- Put the remote control in a place where it will not move during braking or other operations. A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.
- Risk of fire or explosion if the battery is replaced by an incorrect type. Ensure to replace 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.

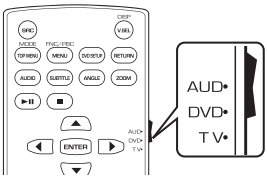
In such instances, replace the both batteries with new ones.

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



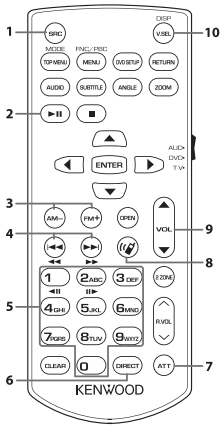
Switch the operation mode

Turn its operation mode switch to "**AUD**."



Functions of the Remote control Buttons

- Aim the remote control directly at the remote sensor on the faceplate.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).



	Key Name	Function
1	**SRC**	Switches to the source to be played.
2	**▶II**	Plays or pauses. For the radio sources, switches the seek mode.
3	**FM+** **AM–**	During radio source, select FM/ AM band to be received. For the SiriusXM source, selects the band to be received. (DMX4710S/ DMX40S only)

	Key Name	Function
4	⏮ ⏭	Selects the track or file to be played. For the tuner radio and SiriusXM (DMX4710S/DMX40S only) sources, switches to broadcast stations received by the unit.
5	Numeric Keypad	Allows you to enter the number to search in the direct search mode. For details on the direct search mode, see ***Direct search mode (P.53)***.
6	**DIRECT**	Switches to the direct search mode. For details on the direct search mode, see ***Direct search mode (P.53)***.
7	**ATT**	Mutes/restores the sound
8	📞	When a call comes in, answers the call.
9	**VOL ▲ ▼**	Adjusts the volume.
10	**DISP**	Switches the screen between the current source and the App screen from the connected iPhone/ Android.
–	Other	Not used.

Direct search mode

Using the remote control, you can jump directly to the desired frequency or channel by entering the number corresponding to the content.

NOTE

- This operation cannot be performed for the USB device.

1 **Press the DIRECT button.**

The available contents are different depending on the source type.

■ **Radio**

Frequency value

■ **SiriusXM (DMX4710S/DMX40S only)**

Channel number

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

3 **Press the ⏮ or ⏭ button.**

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

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.
- When wiring wires, be sure to wrap insulating tape, to protect the insulation, around wires where they contact metal parts. Failure to do so may result in fire or electric shock.

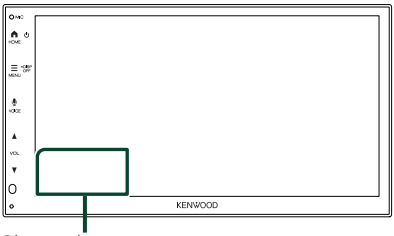
⚠ CAUTION

- 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.
- To prevent injury from sharp edges, etc., do not expose the skin on your arms and hands while installing this unit.
- Be careful not to pinch the harnesses during the installation.

NOTE

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.
- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("There is an error in the speaker wiring. Please check the connections." is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the ⊖ wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.

• Reception may drop if there are metal objects near the Bluetooth antenna.



Bluetooth antenna unit

Supplied accessories for installation

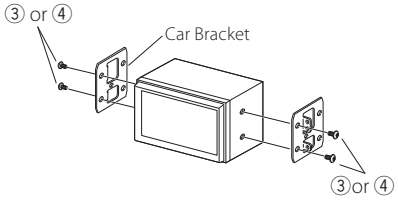
① x1	② (2 m) x1
③ (M5 × 8 mm) x4	④ (M5 × 8 mm) x4
⑤ (3 m) x1	⑥ x1
⑦ x1	

Installation procedure

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

Installing the unit

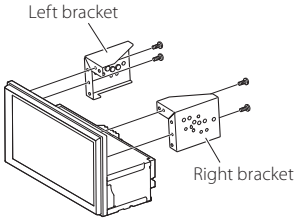
Japanese cars



1DIN install

You can install the unit in a 1DIN size space by removing the right and left brackets.

Remove the two black screws from each of the left and right brackets.

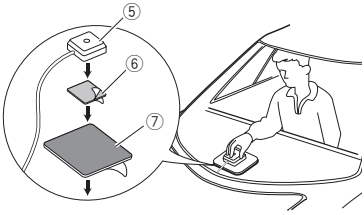


GPS antenna

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

To mount the GPS antenna inside your vehicle:

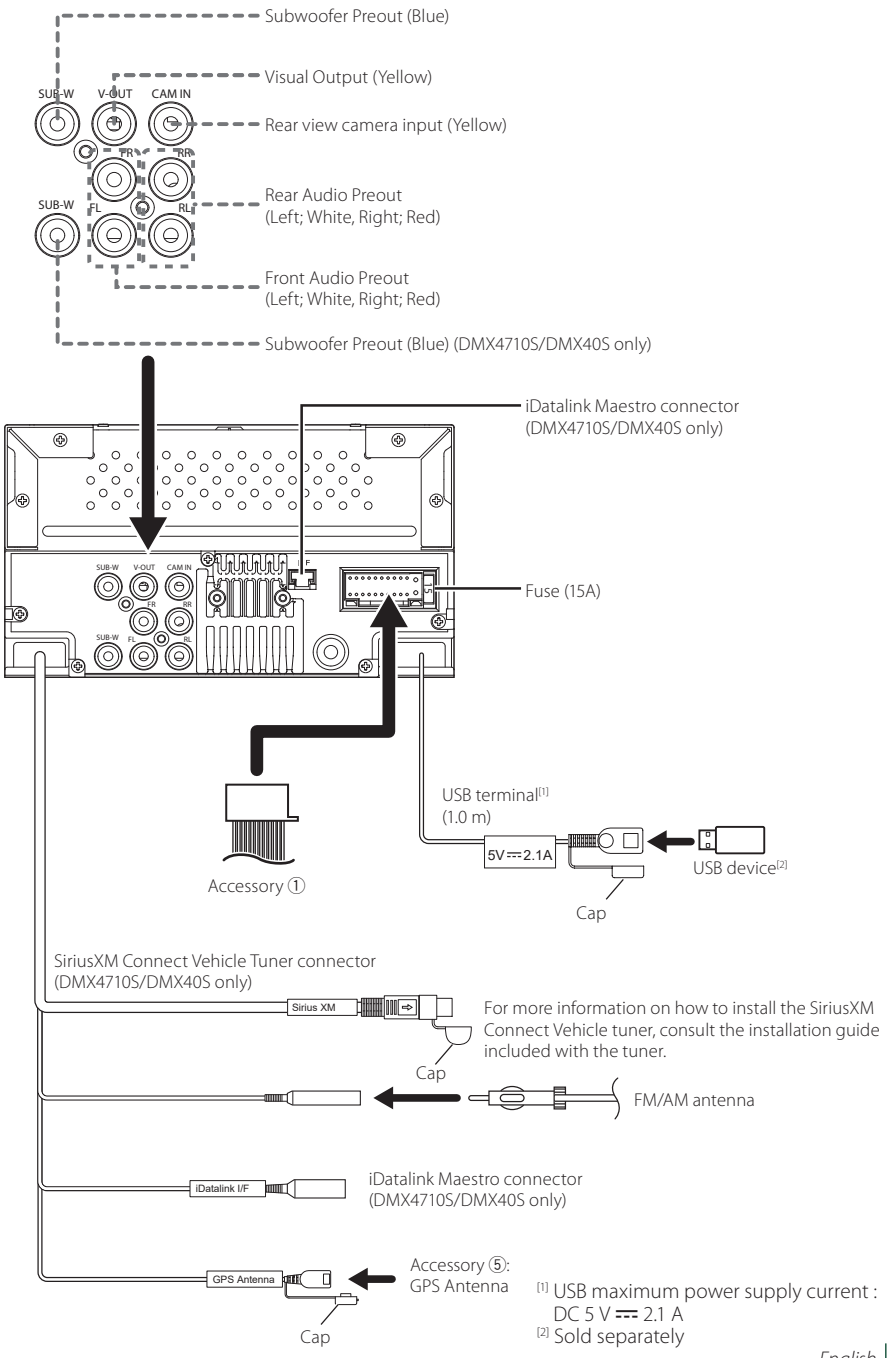
1) Clean your dashboard or other mounting surface.
2) Remove the separator of the metal plate (accessory ⑦).
3) Press the metal plate (accessory ⑦) down firmly on your dashboard or other mounting surface. You can bend the metal plate (accessory ⑦) to conform to a curved surface, if necessary.
4) Peel off the backing paper of the double-sided tape (accessory ⑥) and use it to attach the GPS antenna (accessory ⑤) and metal plate (accessory ⑦).



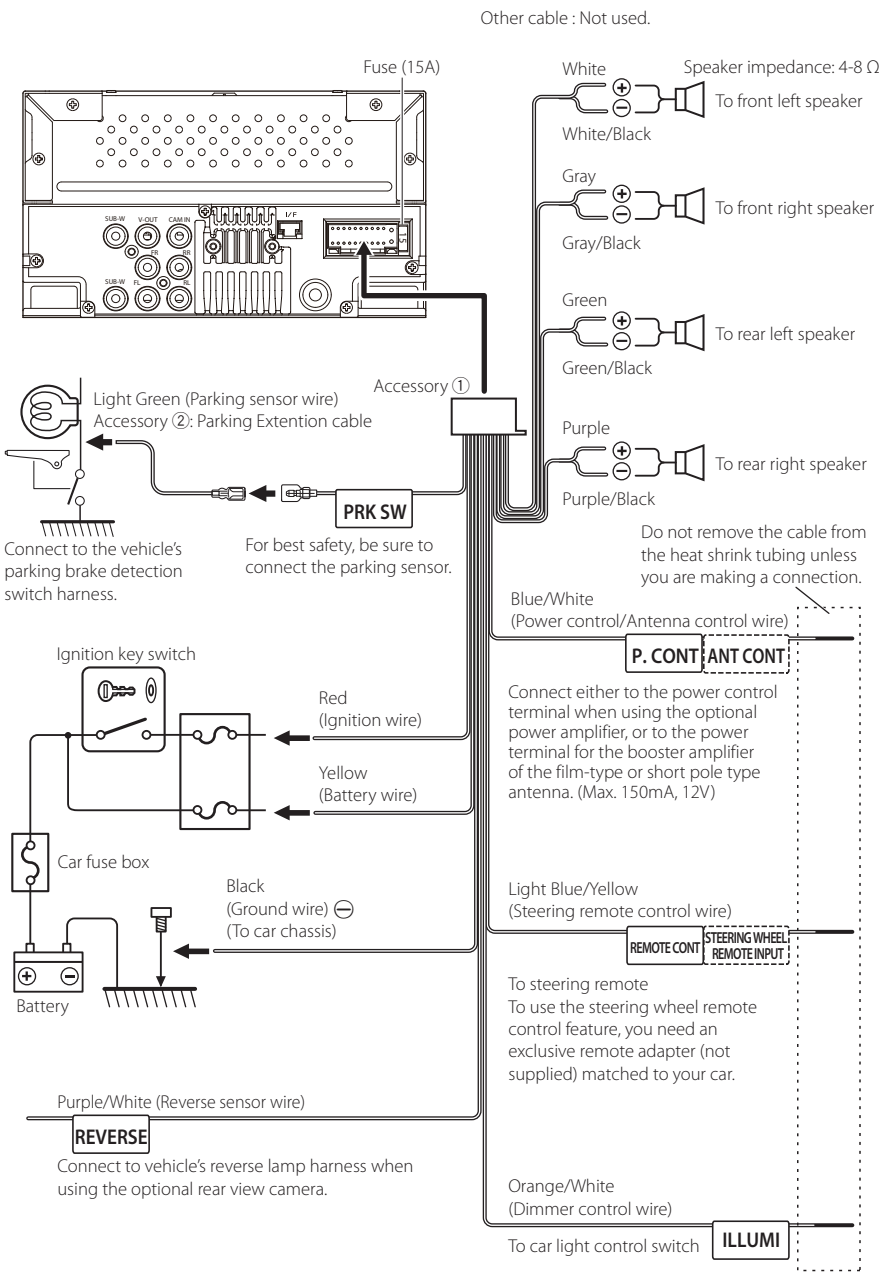
NOTE

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

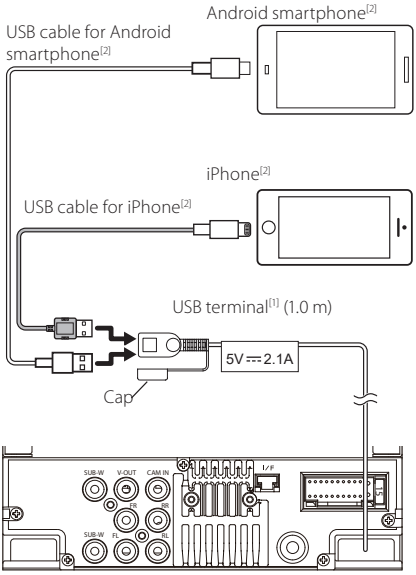
Connecting wires to terminals



[1] USB maximum power supply current : DC 5 V ⎓ 2.1 A
[2] Sold separately


Other cable : Not used.
Fuse (15A)
White
Speaker impedance: 4-8 Ω
To front left speaker
White/Black
Gray
To front right speaker
Gray/Black
Green
To rear left speaker
Green/Black
Purple
To rear right speaker
Purple/Black
Accessory ①
Light Green (Parking sensor wire)
Accessory ②: Parking Extention cable
PRK SW
Connect to the vehicle's parking brake detection switch harness.
For best safety, be sure to connect the parking sensor.
Do not remove the cable from the heat shrink tubing unless you are making a connection.
Blue/White
(Power control/Antenna control wire)
P. CONT
ANT CONT
Connect either to the power control terminal when using the optional power amplifier, or to the power terminal for the booster amplifier of the film-type or short pole type antenna. (Max. 150mA, 12V)
Ignition key switch
Red
(Ignition wire)
Yellow
(Battery wire)
Car fuse box
Black
(Ground wire) ⊖
(To car chassis)
Battery
Light Blue/Yellow
(Steering remote control wire)
REMOTE CONT
STEERING WHEEL REMOTE INPUT
To steering remote
To use the steering wheel remote control feature, you need an exclusive remote adapter (not supplied) matched to your car.
Purple/White (Reverse sensor wire)
REVERSE
Connect to vehicle's reverse lamp harness when using the optional rear view camera.
Orange/White
(Dimmer control wire)
To car light control switch
ILLUMI

Connecting an iPhone/Android



[1] USB maximum power supply current : DC 5 V ⎓ 2.1 A

[2] Sold separately

Troubleshooting

Problems and Solutions

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

NOTE

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

About settings

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

Subwoofer is not set to on.

➤ Set the subwoofer to on. See ***Speaker/ X'over setup (P.47)***.

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 wires to terminals (P.57)***.

Cannot select a folder.

The random play function is enabled.

➤ Turn off the random function.

The sound skips when an audio file is being played.

The recording condition is bad.

➤ Record the file again or use another USB memory.

Other

The Touch Sensor Tone doesn't sound.

The preout jack is being used.

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

Error Messages

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

No Device (USB device)

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

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

Disconnected (Bluetooth audio player)

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

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

No Media file

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

➤ See ***Playable Media and Files (P.62)*** and try another USB device.

SiriusXM (DMX4710S/DMX40S only)

Check Tuner

A SiriusXM tuner is not connected to this unit.

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

Subscription Updated - Press Return To Continue

The SiriusXM subscription has been renewed.

➤ Touching [Return] on the popup screen will clear the message.

Channel * Not Available**

The currently selected channel is unavailable.

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

Channel * Not Subscribed /**
Call SiriusXM to Subscribe

The currently selected channel is not subscribed to.

➤ In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel.

➤ In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

Check Antenna

No antenna is connected to the SiriusXM tuner.

➤ Check that an antenna is connected to the SiriusXM tuner. Check antenna for damages.

No Signal

No SiriusXM radio signal is received.

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

Channel * Locked /**
Please Enter the Lock Code _ _ _ _

The selected channel has been locked by the parental controls.

➤ Enter the unlock code when you are asked. See ***Parental Control (P.28)***.

Incorrect Pass Code entered

The selected channel is a mature or parental lock channel, and locked by the parental lock or user lock code.

➤ Enter the correct lock code.

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)	MPEG2/4 AAC LC HE-AAC(V1,V2)	8 – 320kbps, VBR	16 – 48 kHz	16 bit
MP3 (.mp3)	MPEG 1/2 Audio Layer 3	8 – 320kbps, VBR	16 – 48 kHz	16 bit
WMA (.wma)	Windows Media Audio Standard L3 profile (Version 7,8,9)	8 – 320kbps	16 – 48 kHz	16 bit
Linear PCM (WAVE) (.wav)	RIFF waveform Audio Format	–	16 – 192 kHz	16/ 24 bit
FLAC (.flac)	flac	–	16 – 192 kHz	16/ 24 bit
Vorbis (.ogg)	vorbis	VBR	16 – 48 kHz	16 bit

NOTE

- WMA and AAC of which is covered with DRM cannot be played.
- Although the audio files are complied with the standards listed above, the play may be impossible depending on the types or conditions of media or device.

■ 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)	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			MP3, AAC

■ Limitation of structure for the file and the folder

	USB device
Maximum number of folder layers	8
Maximum number of files (per folder)	999
Maximum number of folders (per folder)	9999
Maximum number of folders (per device)	–

NOTE

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

Specifications

■ Monitor section

Picture Size
: 6.8 inches (diagonal) wide

Display System
: Transparent TN LCD panel

Drive System
: TFT active matrix system

Number of Pixels
: 1,843,200 (1024H × 600V × RGB)

Effective Pixels
: 99.99%

Pixel Arrangement
: RGB striped arrangement

Back Lighting
: LED

■ USB interface section

USB Standard
: USB 2.0 High Speed

File System
: FAT 16/ 32, 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
: MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

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

Total Harmonic Distortion
: 0.2% (1 kHz)

Signal to Noise Ratio
: 75 dB

Dynamic Range
: 75 dB

■ Bluetooth section

Technology
: Bluetooth Ver. 5.0

Frequency
: 2.402 – 2.480 GHz

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

Audio Codec
: SBC/ AAC

Profile (Multi Profile support)
- HFP (Hands Free Profile) 1.8
- A2DP (Advanced Audio Distribution Profile) 1.3
- AVRCP (Audio/Video Remote Control Profile) 1.6
- PBAP (Phonebook Access Profile) 1.2

■ DSP section

Graphics equalizer
Band: 13 Band
Frequency (BAND1 – 13)
: 62.5/ 100/ 160/ 250/ 400/ 630/ 1k/ 1.6k/ 2.5k/ 4k/ 6.3k/ 10k/ 16k Hz

Gain
: -9/ -8/ -7/ -6/ -5/ -4/ -3/ -2/ -1/ 0/ +1/ +2/ +3/ +4/ +5/ +6/ +7/ +8/ +9 dB

2Way X'Over
High pass filter
Frequency: Through, 30/ 40/ 50/ 60/ 70/ 80/ 90/ 100/ 120/ 150/ 180/ 220/ 250 Hz
Slope: -6/ -12/ -18/ -24 dB/ Oct.
Gain: -8/ -7/ -6/ -5/ -4/ -3/ -2/ -1/ 0 dB
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.
Gain: -8/ -7/ -6/ -5/ -4/ -3/ -2/ -1/ 0 dB

Position
Front / Rear /Subwoofer Delay
: 0 – 20.01 ft (0.03 or 0.04 ft Step)
Gain
: -8 – 0 dB

Subwoofer level
: -40 – +6 dB

■ FM tuner section

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

Usable Sensitivity (S/N: 30 dB)
: 16.2 dBf (1.8 µV/75 Ω)

Frequency Response (± 3.0 dB)
: 30 Hz – 14 kHz

S/N (dB)
: 50 dB (MONO)

Stereo Separation
: 35 dB (1 kHz)

■ AM tuner section

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

Usable Sensitivity
: 99 µV (40 dBµ)

■ Video section

Color System of External Video Input
: NTSC/ PAL

External Video Input Level (RCA jack)
: 1 Vp-p/ 75 Ω

Video Output Level (RCA jack)
: 1 Vp-p/ 75 Ω

■ Audio section

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

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

Output Frequency Band
: 20 – 20,000 Hz

Preout Level (V)
DMX4710S/DMX400S
: 2.5 V/ 10 kΩ
DMX40S
: 3.7 V/ 10 kΩ

Preout Impedance
: 1.4 kΩ

Speaker Impedance
: 4 – 8 Ω

■ General

Operating Voltage
: 12V DC Car Battery

Main Unit Installation size (W × H × D)
: 178 × 100 × 86 mm
7-1/16 × 3-15/16 × 3-3/8 inch

Weight
: 1.05 kg (2.31 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 subject to change without notice.

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

NOTE

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

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

■ ISED CAUTION

This device contains licence-exempt transmitter(s)/ receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s).

Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

⚠ CAUTION

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

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Trade Name:	KENWOOD
Products:	MONITOR WITH RECEIVER
Model Name:	DMX4710S / DMX40S / DMX400S
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.

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