

# Owner's Manual

## Interactive Touchscreen Display



There will be some discrepancy in the contents of this user's manual due to the technical evolution and the software improvement.  
Please follow the actual function display. This manual is only for users' operating reference.

DMXDT701(X)

## Important Notice on Software

### Software License on This Product

The software embedded in this product comprises a number of independent software components, each of which is copyrighted by JVCKENWOOD Corporation or by a third party. This product uses software components that are based on an End-User License Agreement (hereinafter called "EULA") stipulated by JVCKENWOOD Corporation and by third parties. The EULA dictates the availability of the source codes of free-software components as a prerequisite to distributing them in executable form under the terms of the GNU General Public License or the Lesser General Public License (hereinafter called "GPL/LGPL"). To get information about the software components that are subject to the terms of the GPL/LGPL, please visit the following Website:

Website URL <https://www2.jvckenwood.com/gpl/>

Queries concerning the contents of the source code or the like will not be accepted.

Please note that software components based on a EULA that is not subject to the terms of the GPL/LGPL or those that have been developed or created by JVCKENWOOD Corporation will be excluded from the scope of source code disclosure.

Because licenses to use software components distributed under the GPL/LGPL are offered to the customers for free of charge, no warranty is granted to the customers, whether explicitly or implicitly, to the extent of the applicable laws. Unless otherwise stipulated by the applicable laws or agreed upon in writing, the copyright holders or those who are entitled to modify and redistribute the software components are not held responsible for any and all damages resulting from their use or from inability to use them. For more information about the terms of use of the software components, required items of compliance and so on, please refer to the GPL/LGPL.

Customers wishing themselves to use a software component that is subject to the GPL/LGPL embedded in this product are encouraged to read the terms of the corresponding license before use. Because each individual license is prescribed by a third party other than

JVCKENWOOD Corporation, the original (English) of the license is presented.

## EULA

### Software License Agreement

JVCKENWOOD Corporation (hereinafter called "Licensor") holds either the copyright to the embedded software or the right to sublicense it. This agreement establishes the conditions under which the customer uses this "Licensed Software." The customer shall agree to the terms of this license agreement before proceeding to use Licensed Software.

This agreement is deemed to have taken effect when the customer (hereinafter called "User") has used a product implementation of Licensed Software.

The Licensed Software may contain software Licensor has been licensed to use by third parties directly or indirectly. Some third parties may have terms of use prescribed for their customers, apart from this Software License Agreement. This agreement does not apply to such software. Be sure to consult "Important Notice on Software" as presented separately.

#### Article 1 (General)

Licensor grants to User a non-exclusive, non-assignable right of use Licensed Software within the country where the User purchases the Product (hereinafter the "Country") (except for the exception provided for in Paragraph 1, Article 3).

#### Article 2 (Right of Use)

1. The rise of use granted under this agreement is the right to use Licensed Software in this product.
2. User may not duplicate, copy, modify, add to, translate or otherwise alter, or loan licensed Software and the associated literature in whole or in part.
3. Use of Licensed Software is limited to a private extent, and Licensed Software may not be distributed, licensed or sublicensed for any purposes whatsoever, including commercial use.
4. User shall use Licensed Software as per the instruction manual or instructions given in the help file and may not use or duplicate data in violations of the regulations of the Copyright Law or other governing laws by using Licensed Software in whole or in part.

### **Article 3 (Terms of License)**

1. In assigning this product, User may not retain the original copy of the embedded Licensed Software (including associated literature, updates and upgrades) and any duplicates and associated literature with regard to the license to use Licensed Software. User may transfer Licensed Software only to the condition of binding the assignee to abide by the terms of this Software License Agreement.
2. User may not reverse-engineer, disassemble, decompile or otherwise analyze the source code of Licensed Software.

### **Article 4 (Rights to Licensed Software)**

All rights to Licensed Software and the associated literature, including copyrights, shall reside with Licensor or the original right holder who has granted the Right of Use and right to sublicense to Licensor (hereinafter referred to as "Original Right Holder"), and User does not have any rights other than Right of Use granted hereunder with regard to Licensed Software and the associated literature.

### **Article 5 (Exemption Granted to Licensor)**

1. Licensor and Original Right Holder do not assume any responsibility for damages caused to User or third parties resulting from the exercise by User of the license granted hereunder, unless otherwise provided by any law to the contrary.
2. Licensor does not warrant Licensed Software to be merchantable, compatible and fit for specific purposes.

### **Article 6 (Responsibility for Third Parties)**

If disputes over the infringement of third parties' intellectual property rights, such as copyrights and patent rights, arise out of the use of Licensed Software by User, User shall resolve these disputes at User's own expenses while keep Licensor and Original Right Holder harmless.

### **Article 7 (Secrecy Obligation)**

User shall keep confidential Licensed Software provided hereunder, information contained in the associated literature or the like and those provisions of this agreement not yet in public knowledge and may not disclose or leak these to third parties without prior written consent from Licensor.

### **Article 8 (Cancellation of the Agreement)**

Licensor reserves the right to cancel this agreement forthwith and claim compensation

from User for the damages caused by such cancellation when User:

- (1) Breaches any of the provisions of this agreement, or
- (2) Has received a petition for seizure, provisional seizure, provisional disposition or any other kind of compulsory execution.

### **Article 9 (Destruction of Licensed Software)**

If this agreement is terminated under the provision of the foregoing paragraph, User shall destroy Licensed Software, along with all associated literature and its duplicates, within two (2) weeks from the date of termination.

### **Article 10 (Copyright Protection)**

1. Copyrights and all other intellectual property rights relating to Licensed Software shall reside with Licensor and Original Right Holder and in no circumstances with User.
2. User shall abide by the laws relating to copyrights and intellectual property rights in using Licensed Software.

### **Article 11 (Export Control)**

1. Licensed Software and the associated literature or the like may not be exported to places outside the Country (including transmission outside the Country over the Internet or the like).
2. User agrees that Licensed Software is subject to export controls imposed by the Country and the United States of America.
3. User agrees to comply with all the international and domestic laws that apply to this software (U.S. Export Administration Regulations and regulations established by the U.S., the Country and their governmental agencies regarding usage by end users and export destinations).

### **Article 12 (Miscellaneous)**

1. Even if this agreement is invalidated in part by law, all other provisions shall remain in effect.
2. Licensor and User shall consult each other in good faith to resolve any matters not provided for in this agreement or questions arising from the interpretation of this agreement.
3. Licensor and User agree that this agreement is governed by the law of Japan and that all disputes involving claims and obligations that may arise out of this agreement will be settled by arbitration at the Tokyo District Court as the court of first instance.

# Contents

## Important Safety Information 6

Precautions..... 6

## Before Use 7

About this manual ..... 7

## Basic Operations 8

Front Panel Button Functions ..... 8  
Turning on the Unit ..... 9  
Regional Setup ..... 9  
Adjusting the volume ..... 10  
Touch screen operations ..... 10  
Pop up menu ..... 11  
Simple Display Mode ..... 11  
HOME screen description ..... 12  
Source selection screen description ..... 12  
Source control screen description ..... 14  
List screen ..... 15

## Widget 16

Widget ..... 16  
Widget Operation ..... 16

## Connection 17

Wired Connection ..... 17

## Bluetooth Control 18

Information for using Bluetooth® devices ..... 18  
Pair your Bluetooth device ..... 18  
Connection Setup ..... 21  
Playing the Bluetooth Audio Device ..... 22  
Using the Hands-Free function ..... 24  
Phone Setup ..... 28

## Apps 29

Apple CarPlay Operation ..... 29  
Android Auto™ Operation ..... 31

## USB 33

Connecting a USB device ..... 33  
USB Basic Operation ..... 33  
Search Operation ..... 34

## iPod/iPhone 36

Preparation ..... 36  
iPod/iPhone Basic Operation ..... 37  
Search Operation ..... 37

## Radio 38

Radio Basic Operation ..... 38  
Memory Operation ..... 39  
Selecting Operation ..... 39  
Breaking News and Traffic Information  
(FM only) ..... 40  
Radio Setup (FM only) ..... 41

## Other External Components 42

Camera ..... 42  
Backup Alert ..... 43  
AUX ..... 43

## Setup 44

Display Brightness ..... 44  
Picture Adjust ..... 44  
System Setup ..... 45  
General Systems ..... 45  
User Interface Systems ..... 46  
Hands-Free ..... 48

## General audio controls 49

General audio controls ..... 49  
Equalizer Control ..... 50  
Volume Offset ..... 51  
Sound Effect ..... 51

<b>Troubleshooting</b>	<b>53</b>
Problems and Solutions .....	53
Error Messages .....	53
 <b>Appendix</b>	 <b>54</b>
Playable Media and Files.....	54
Specifications.....	55
About this Unit.....	56

For safety reasons, this owner's manual indicates items requiring particular attention with the following marks.

### **⚠ WARNING**

- This is a warning against anything which may cause death or serious injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of death or serious injury to yourself and others.

### **⚠ CAUTION**

- This is a warning against anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

### **NOTE**

- This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your vehicle and its equipment.
- Please read all materials, Daimler Truck North America will not be responsible for unsatisfactory product performance due to failure to follow these instructions. Changes to product may result in differences between content of this manual and actual features of the product.



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.

# Important Safety Information

## Precautions

### 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.

## ⚠ WARNINGS

- Do not watch or fix your eyes on the unit's display for any extended period whenever you are driving.
- Do not operate the unit while driving. Keep focus on the road.
- Do not pair Bluetooth devices while driving, stop on a safe road side before attempting to pair any device.
- Do not attempt to install or service this product by yourself. Installation or servicing of this product by persons without proper training and experience in electronic equipment and automotive accessories may be dangerous and could expose you to the risk of electric shock, injury or other hazards.
- If liquid or foreign matter should get inside this product, stop your vehicle in a safe place, turn the ignition switch OFF (ACC OFF) immediately and consult your dealer or the nearest Service Station. Do not use this product in this condition because doing so may result to fire, electric shock, or other failure.

## 📺 To ensure safe driving

Any video won't be played while driving to prevent driver's eyes from fixing on the unit's display. Stop the vehicle in a safe place and apply the parking brake before performing such function.

There are some functions you cannot perform while driving because of the same reason.

## ⚠ CAUTIONS

- To prevent short circuit, never put or leave any metallic objects (such as coins or metallic tools) inside the unit.
- Do not allow this product to come into contact with liquids. Electric shocks as well as damage to the product, smoke, and overheating could result from contact with liquids.
- If you notice any abnormalities such as smoke, strange noise or odor from using this product, or any other abnormal signs on the LCD screen, turn off the power immediately and consult your dealer or the nearest Service Station. Using this product in this condition may result in permanent damage to the system.
- Do not disassemble or modify this product, as there are high-voltage components inside which may cause an electric shock. Be sure to consult your dealer or the nearest Service Station for internal inspection, adjustments or repairs.

## Before Use

### Precautions on using this unit

- You can select a language to display menus, audio file tags, etc. See **Regional Setup (P.9)**.

### Protecting the monitor

- To protect the monitor from damage, do not operate the monitor using a ball point pen or similar tool with a sharp tip.
- If you stick a film screen protector on the screen, it may interfere with touch panel operation.

### Cleaning the unit

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

#### NOTE

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

### Before removing the vehicle battery

It may be necessary to take note of the different settings as the information stored in the head unit is erased by disconnecting the power cable from the battery (or removing the battery itself), however, there are some settings that will not be reset.

### In case of trouble

Should this product fail to operate properly, contact your dealer or nearest Service Station.

### 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 Receiver, please be sure to close any unused applications.

### Protect your privacy

Prior to transferring possession of the vehicle to another individual, please utilize the 'Restoring Factory Default' function on the Interactive Touchscreen Display to safeguard your personal information.

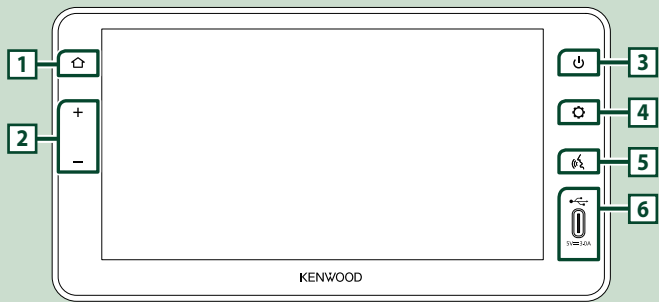
See **Restoring Factory Default (P.45)**

## About this manual

- The screens and panels shown in this manual are just examples used to provide clear explanations of the operations. For this reason, they may be different from actual screens and panels used, or some display patterns may be different.
- Display Language:** English is used as the default language. You can select the display language by accessing the  button function. See **Regional Setup (P.9)**.

# Basic Operations

## Front Panel Button Functions



**NOTE**

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

Number	Name	Function
1	Home	• Displays the HOME screen.
2	-, + (Volume)	• You can adjust the volume (0 to 40). Press <b>+</b> to increase, and press <b>-</b> to decrease. Holding <b>+</b> increases the volume continuously to level 15. Volume level 16 to 40 can be adjusted one step each. Press and hold <b>-</b> to MUTE. Press <b>-</b> or <b>+</b> to UNMUTE.
3	Power	• Press and hold : Turns on/off the unit <b>(P.9)</b> . • Short press : Turns on/off “simple display mode” <b>(P.11)</b> .
4	Setting	• Displays the popup menu.
5	Voice	• Activates the voice recognition function on/off. (Smartphone dependent)
6	USB	• USB port (Type-C).



## Turning on the Unit

This unit is turned on when the ignition switch is set to ON, and turned off when the ignition is switched to the OFF position.

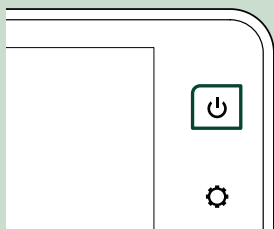
- 1 Turn the ignition switch to the ON position.
  - The unit is turned on.
- 2 Read the caution message and touch **Agree**.



- Touching **Language** changes the display language.
- If no operation is performed for 5 seconds, the next screen appears automatically.

### ● To turn off/on the unit manually:

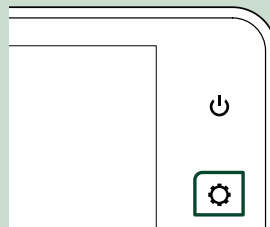
- 1 Press and hold button.



- The unit is turned off/on.

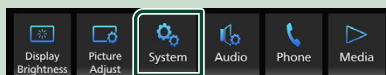
## Regional Setup

- 1 Press button.



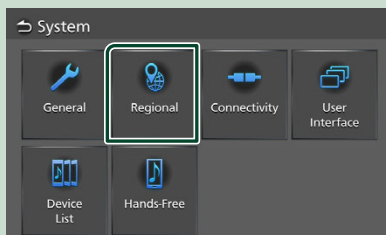
- Popup menu appears.

- 2 Touch .



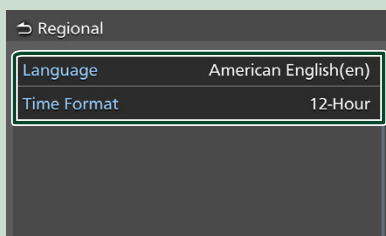
- System screen appears.

- 3 Touch **Regional**.



- Regional screen appears.

- 4 Set each item as follows.



### ■ Language

Select the desired language.

### ■ Time Format

Select the time display format.

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

## Adjusting the volume

You can adjust the volume (0 to 40).

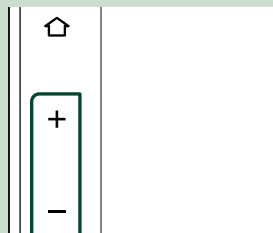
Press **+** to increase, and press **-** to decrease.

Holding **+** increases the volume continuously to level 15.

Volume level 16 to 40 can be adjusted one step each.

Press and hold **-** to MUTE.

Press **-** or **+** to UNMUTE.

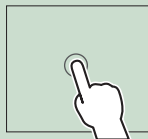


## Touch screen operations

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

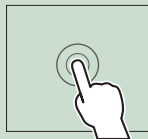
### ● Touch

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



### ● Touch and hold

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



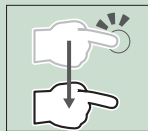
### ● Flick

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



### ● Swipe

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

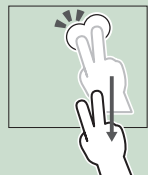


## Gesture Touch Control

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

### ● Sliding two fingers upward/downward

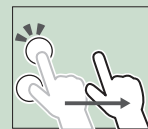
Increases/decreases the volume.




### ● Sliding two fingers leftward/rightward

Equivalent to the operation of pressing **◀◀/▶▶**.

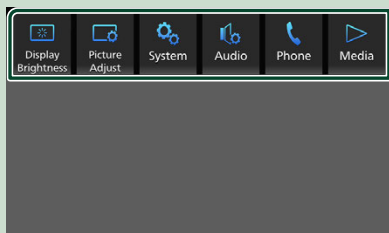
For the Radio source, select preset radio stations.












## Popup menu

- 1 Press  button.  
➤ Popup menu appears.

- 2 Touch to display the menu.



The contents of the menu are as follows.

	• Displays the display control screen. (P.44)
	• Displays the picture control screen. (P.44)
	• Displays the System screen. (P.45)
	• Displays the Audio screen. (P.49)
	• Displays the Hands Free screen. (P.24)*1
	
	• Displays the Android Auto™ screen. (P.31)*2
	• Displays the Apple CarPlay screen. (P.29)*3
	• Displays the control screen of the current source.*4

\*1 When connecting as Apple CarPlay or Android Auto, it works as a phone source in Apple CarPlay or Android Auto. If Apple CarPlay or Android Auto are connected during talking by the Bluetooth device, the current call will be continued. It cannot be used while the Apple CarPlay or Android Auto screen is displayed.

- \*2 This menu can be used when Android Auto is the selected source.
- \*3 This menu can be used when Apple CarPlay is the selected source.
- \*4 This menu can be used when either Radio, Bluetooth, USB, iPod, Camera, AUX, or Media Off is the selected source.


## Simple Display Mode

When Simple Display Mode is enabled, the screen will only display time, date and current playback source information.

- 1 Press  button.



● To back to the original screen:

- 1 Press  button.  
➤ Receiver displays the original screen.

HOME screen description


Most functions can be performed from the HOME screen.

1

2

10:00




USB



Song Title

Artist Name

Album Title

3

Radio

Apple CarPlay

Android Auto

Bluetooth

Phone

1

• Displays the source selection screen. (P.13)

2

• Widget. (P.16)

3

• Short-cut playback source icons. (P.13)

Source selection screen description

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

1

2

Hold and drag icon to Favorite Bar

iPod

USB

Media Off

Camera

AUX

Radio

Apple CarPlay

Android Auto

Bluetooth

Phone

1


• Returns to the previous screen.

2

• Changes playback sources.  
For playback sources, see P.13.

Display the HOME screen


1 Press  button.








+

➤ HOME screen appears.

## Select the playback source

- 1 Press  button.  
➤ HOME screen appears.

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

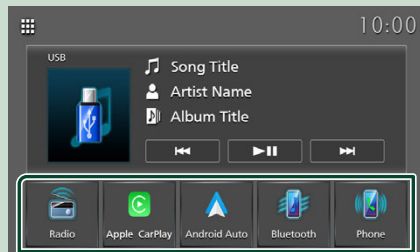
	• Switches to Radio broadcast. <b>(P.38)</b>
	• Switches to the Apple CarPlay screen from the connected iPhone. <b>(P.29)</b>
	• Switches to the Android Auto screen from the connected Android™ smartphone. <b>(P.31)</b>
	• Plays a Bluetooth audio player.*1 <b>(P.22)</b>
	• Displays the Hands Free screen. <b>(P.24)*2</b>
	• Plays an iPod/iPhone. <b>(P.37)*1</b>
	• Plays files on a USB device. <b>(P.33)</b>
	• Turns off the AV source. <b>(P.13)</b>
	• Displays the Camera screen. <b>(P.42)*3</b>
	• Switches to AUX. <b>(P.43)</b>

\*1 This source cannot be used when connected as Apple CarPlay.

\*2 When connecting as Apple CarPlay or Android Auto, it works as a phone source in Apple CarPlay or Android Auto. If Apple CarPlay or Android Auto are connected during talking by the Bluetooth device, the current call will be continued.

\*3 This function can only be used with vehicles equipped with a camera. It cannot be selected while driving.


## To select the playback source on the HOME screen



The 5 items displayed on the source selection screen with large icons are shown on the HOME screen.

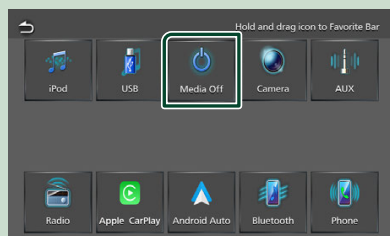
You can change the items displayed on this area by customizing the source selection screen. **(P.14)**

## To turn off the AV source

- 1 Press  button.  
➤ HOME screen appears.



- 2 Touch .

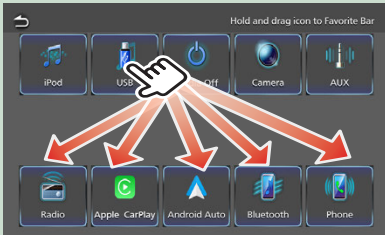
- 3 Touch **Media Off**.



## Customize Short-cut buttons on HOME screen

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

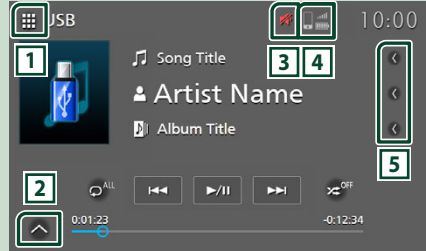
- 1 Press  button.  
➤ HOME screen appears.
- 2 Touch .
- 3 Touch and hold the icon which you want to move in the customizing mode.
- 4 Drag the icon to the desired position.



## Source control screen description

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

Indicators





Sub-control panel



### 1 All sources icon

Displays the source selection screen. (P.12)

### 2 Sub-control panel

 /  : Displays/hides the sub-control panel.  
This function is available in USB source.

### 3

Mute icon is indicated while receiver is muting.

### 4

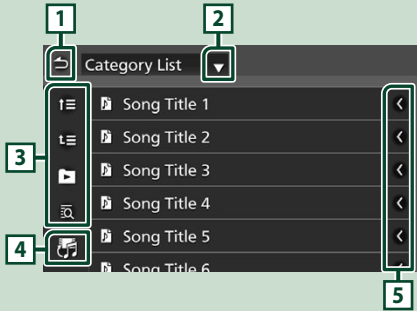
Connected Bluetooth phone information.

### 5 Text scroll

Scrolls the displayed text.

## List screen

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



### 1 Return





Returns to the previous screen.

### 2

Displays the list type selection window.

### 3 etc.

Keys with various functions are displayed here.

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

### 4

Displays a music/movie file list.

### 5 Text scroll

Scrolls the displayed text.

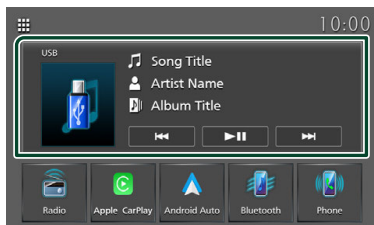
#### NOTE

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

# Widget

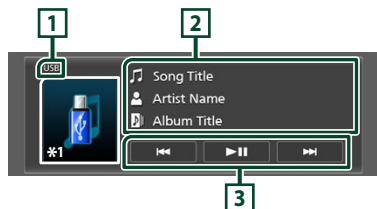
## Widget

- 1 Press  button.  
➤ HOME screen appears.



Widget area

## Widget Operation



\*1 Touch to display the control screen of the current source.

### 1 Source Name

- Current source information.

### 2 Information

#### USB,iPod,Android Auto,Apple CarPlay

- Displays the information on the current file.

#### Bluetooth Audio




- Displays the current track information.

#### Radio




- Displays the information of the current station:Frequency

### 3 Operation keys



#### USB,iPod,Android Auto,Apple CarPlay

-   : Searches the previous/next track/file.  
Touch and hold to fast forward or fast backward.
-  : Plays or pauses.

#### Bluetooth Audio

-   : Searches for the previous/next content.  
Touch and hold to fast forward or fast backward.
-  : Plays or pauses.  
These items appear only when the audio player which supports AVRCP profile is connected.

#### Radio

-   : Switches to the previous/next frequency manually.  
Touch and hold to tunes in a station with good reception automatically.
- **BAND** : Switches the band (FM1/ FM2, AM).

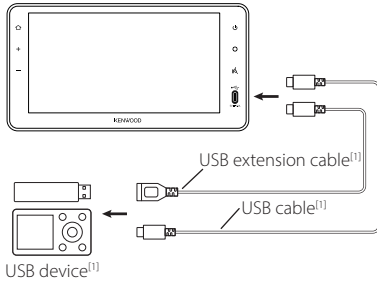


# Connection

## Wired Connection

This unit can be connected to external devices. Connect the external device via the following accessory.

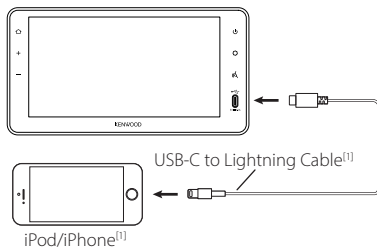
### Connecting a USB device



<sup>[1]</sup> Sold separately.

Use USB-IF certified USB cable.

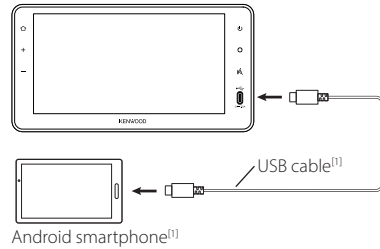
### Connecting an iPod/iPhone



<sup>[1]</sup> Sold separately.

Use Apple MFI certified cable.

### Connecting an Android smartphone



<sup>[1]</sup> Sold separately.

Use USB-IF certified USB cable.

### WARNING

- Install the USB device/ iPod/ iPhone/ Android smartphone and Audio player in the place where it will not affect safe driving.

### NOTE

- Do not keep the USB device/ iPod/ iPhone/ Android smartphone/ Audio player and USB cable in the car to avoid damage by heat.

## Bluetooth Control

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

### Information for using Bluetooth® devices



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

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

#### WARNING

- 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.

#### NOTE

- Some Bluetooth devices may not be connected to this unit depending on the Bluetooth version of the device.
- This unit may not work for some Bluetooth devices.
- Connecting conditions may vary depending on your environment.
- Some Bluetooth devices are disconnected when this unit is turned off.
- The Bluetooth devices cannot be used while using Apple CarPlay.
- The Bluetooth currently connected with other device is disconnected when an iPhone compatible with Apple CarPlay is connected.

### About the mobile phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

#### Version

Bluetooth Ver. 5.2

#### Profiles

##### Mobile 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 according to the procedure prescribed by Bluetooth SIG.  
However, it may be impossible for such units to communicate with your mobile phone depending on its type.

### Pair your Bluetooth device

It is necessary to Pair the Bluetooth audio player or mobile phone in this unit before using the Bluetooth function.

You can register up to 10 Bluetooth devices.

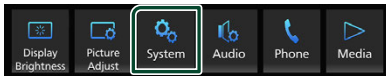
#### NOTE

- Up to 10 Bluetooth devices can be registered. If you register an 11th Bluetooth device, the oldest Bluetooth device in the usage history is deleted and the 11th device is registered.

# 1 Press button.

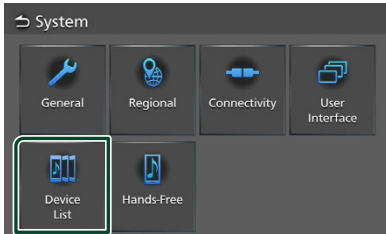
➤ Popup menu appears.

# 2 Touch .



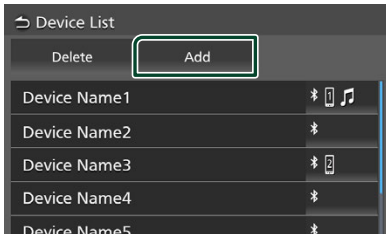
➤ System screen appears.

# 3 Touch .



➤ Device List screen appears.

# 4 Touch **Add**.



# 5 Search for the unit "Truck Multimedia" on your smartphone/mobile phone.

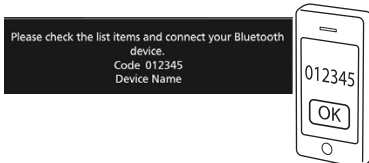
Complete steps 5 to 7 within 30 seconds.

(Default: "Truck Multimedia")

To change Device Name, see **Connect the Bluetooth device (P.20)**

# 6 Operate your smartphone/mobile phone according to the displayed messages.

- **Confirm the request on the smartphone/mobile phone.**






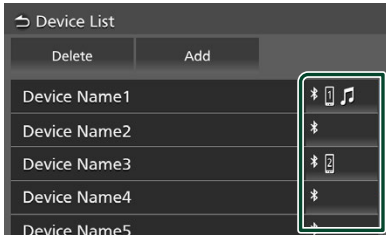
# 7 Touch **OK**.

## NOTE



- If the mobile phone supports PBAP, the phonebook data is downloaded automatically.
- For some mobile phones, you may need to operate the mobile phone to download the phonebook data.

## ■ Connect the Bluetooth device (switch between multiple connected devices)

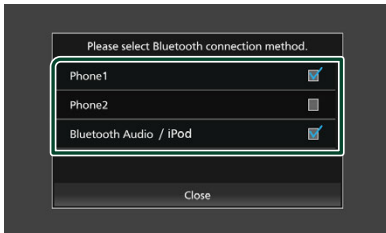
- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .  
➤ System screen appears.
- 3 Touch .  
➤ Device List screen appears.
- 4 Touch the icon area on the right side of the Bluetooth device name you want to connect.



### NOTE

- If the icon is highlighted, it means that the unit will use that device.
- You can confirm the connection status of Bluetooth, as follows.
  - Bluetooth: If a device compatible with Bluetooth is paired,  (Blue),  (Blue) is lighted.
- Devices that have not been connected for 60 days or more are deleted from the device list.

## 5 Set each profile as follows.



### ■ Phone1, Phone2

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

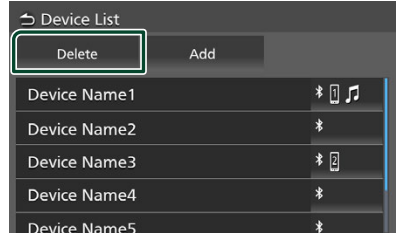
### ■ Bluetooth Audio / iPod

Select to use as an audio player.

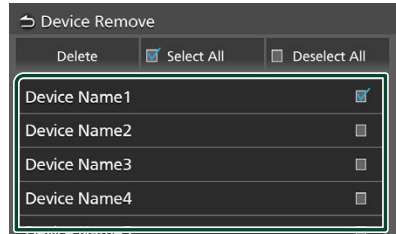
## 6 Touch Close.

### To delete the registered Bluetooth device

## 1 Touch Delete.



## 2 Touch the device name to check.



### ■ ☒ Select All

Selects all Bluetooth devices.

### ■ ☐ Deselect All

Clears all check marks.

### NOTE



- The following devices are not deleted.
  - Wired Apple CarPlay device which is not paired
  - Connected Android Auto device

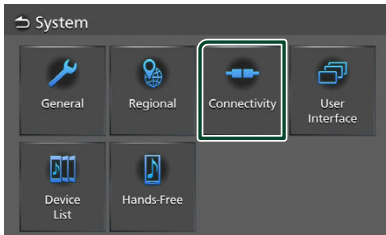
## 3 Touch Delete.

➤ Confirmation message appears.

## 4 Touch OK.

## Connection Setup

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .
- 3 Touch **Connectivity**.



➤ Connectivity screen appears.

### 4 Set each parameter as follows.

#### ■ Bluetooth

Set whether to use the Bluetooth function.

#### ■ Device Name

Change the device name. (P.21)

#### ■ Device Address

Displays the media access control address.

#### ■ Android Auto Auto Launch

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

#### ■ AUX Input (Rear)

Select whether or not to use the AUX input. (P.43)

Default is "OFF".


#### ■ Backup Alert\*

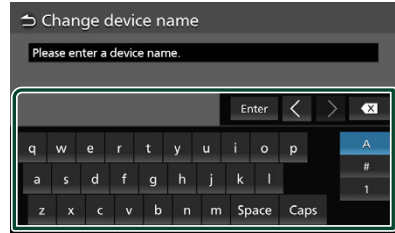
Select whether or not to use the Backup Alert function. (P.43)

Default is "ON".

\*This is displayed if the vehicle is equipped with a proximity sensor.

### Change the device name

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



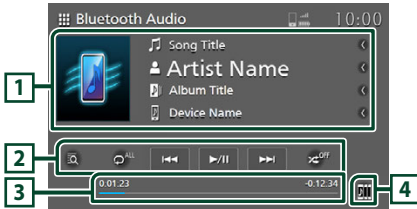
### 4 Touch **Enter**.

## Playing the Bluetooth Audio Device

Most functions can be controlled from the source control screen.

To select Bluetooth source, touch **Bluetooth** icon on the source selection screen. (P.13)

### Bluetooth basic operation



#### 1 Information display

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

#### 2 Operation keys \*

- : Searches for a file. See **File search** (P.23).
- : Searches for the previous/next content.  
Touch and hold to fast forward or fast backward.
- : Plays or pauses.
- : Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence:  
File repeat ( ), All songs repeat ( ), Repeat off ( )
- : Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence:  
All random ( ), Random off ( )

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

#### 3 Playing time

For confirmation of current playing position.

0:01:23 -0:12:34

#### 4

Bluetooth audio devices can be switched easily to play music. See **Bluetooth Audio Device Change** (P.23).

#### NOTE

- The operation buttons, indications and information displayed on the screen differ depending on the connected device.
- If the operation keys do not appear, operate from the player.
- Depending on your mobile phone or audio player, sound may be heard and controlled but text information may not appear.
- After the telephone call is finished there will be a time lag to return to the Bluetooth music player or other music sources.



## Bluetooth Audio Device Change

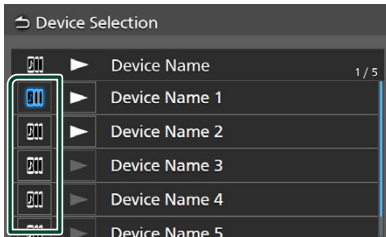
Up to five Bluetooth audio device can be connected and switched easily to play music.

### 1 Touch .



➤ A list of registered devices is displayed.

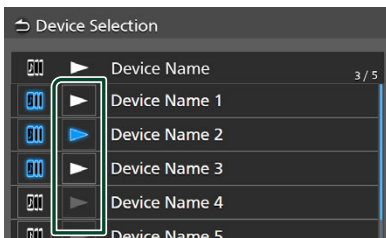
### 2 Touch of device name you want to connect.




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



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

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



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

### 4 Touch .

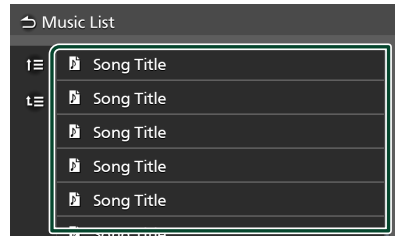
#### NOTE

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

## File search

### 1 Touch .

### 2 Touch the desired file or folder.



When you touch a folder its contents are displayed.

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

➤ Playback starts.

#### NOTE

- For operations in the list screen, see **List screen (P.15)**.



## Using the Hands-Free function

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

### NOTE

- While using the Bluetooth Hands-Free function, Apple CarPlay or Android Auto is not available.
- While Apple CarPlay or Android Auto is connected, the Bluetooth Hands-Free function and two Bluetooth devices connections cannot be used. Only the Apple CarPlay or Android Auto Hands-Free function can be used.

## Make a call





- 1 Press  button.  
➤ HOME screen appears.
- 2 Touch .
- 3 Touch **Phone**.  
➤ Hands Free screen appears.

### NOTE

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


## 4 Select a dialing method.



- : Call using call history
- : Call using the phonebook
- : Call by entering a phone number
- : Device List (P.20)

### ● Select the mobile phone to use

When you connect two mobile phones

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


### ● Phone Setup

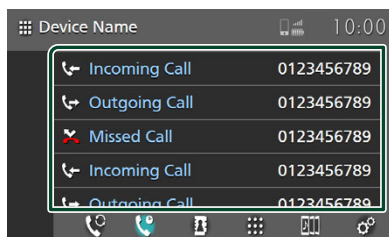
- 1) Touch .  
Phone Setup screen appears. (P.28)

### NOTE

- Bluetooth hands free sound quality and performance also depend on mobile phones and carrier conditions.
- Status icons such as battery and antenna icons may differ from those displayed on the mobile phone.
- Setting the mobile phone in the private/visibility off mode can disable the hands-free function.

## Call using call history



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

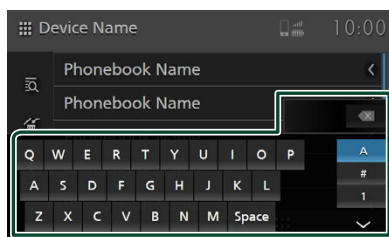


## Call using the phonebook

You can use the phonebook data of the selected mobile phone to make a call.

Before starting this procedure, it is necessary to download the phonebook data. For details, see **Phonebook transfer (P.27)**.

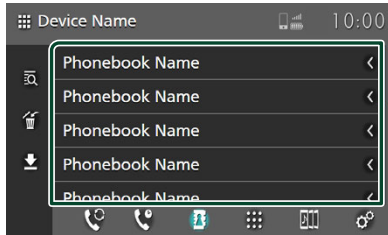
- 1 Touch .
- 2 Touch .
- 3 Select the initial.



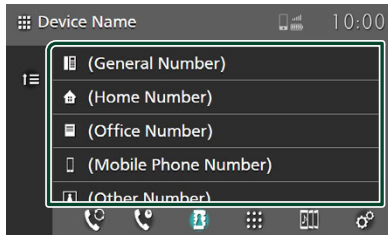


- Special characters cannot be searched using this function.
- Accented first characters of each name entry can be searched using the equivalent normal character of that letter. i.e. Ñ can be searched as N
- Accented characters cannot be searched in the middle of the word.

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



#### 5 Select the phone number from the list.



#### NOTE

- You can sort the phone numbers in the list by last name or first name. For details, see **Phone Setup (P.28)**.

### Call by entering a phone number

1 Touch .

2 Enter a phone number with number keys.

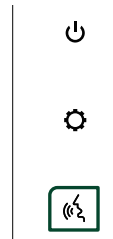


3 Touch .

### Voice Recognition



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

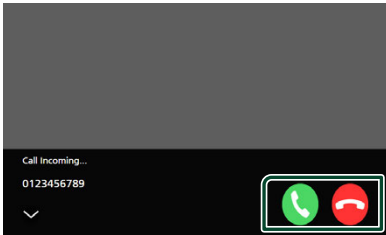
1 Press the  button.



2 Start speaking.

## Receive a call

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



### NOTE

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

## To end call

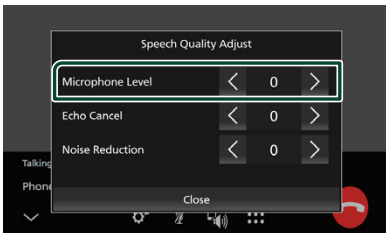
- 1 While talking, touch .

## Operations during a call





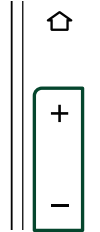
### ● Adjust the volume of your voice

- 1 Touch .
- 2 Touch  or  for **Microphone Level**.




### ● Adjust the Receiver volume


Press the  or  button.





### ● Mute your voice

Touch  to mute or not to mute your voice.


### ● Output the dial tone


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


### ● Switching between speaking voice output destinations

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



### ● Call-waiting

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

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

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

### ● To close the Hands-Free popup screen

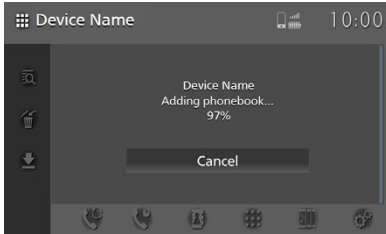
Touching  to close the Hands-Free popup screen. To display it again, touch  at the top of the screen.

## Phonebook transfer

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

1 Touch .

2 Touch .



➤ Phonebook data transfer starts.

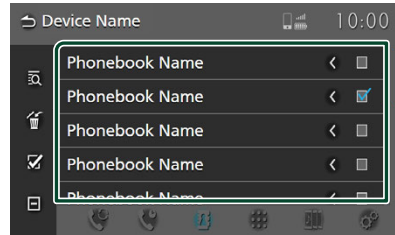
### NOTE

- If the Phonebook contains more than 1000 entries, Phonebook data cannot be transferred.
- The phonebook data of up to 10 Bluetooth devices can be stored.
- When you connect the mobile phone of which the phonebook data is downloaded before, the downloaded data will be displayed.
- If you download the phonebook data from the same device again, the data will be overwritten.

## Phonebook deletion

1 Touch .

2 Touch the name to check.



Checks all boxes.



Clears all check marks.



3 Touch .

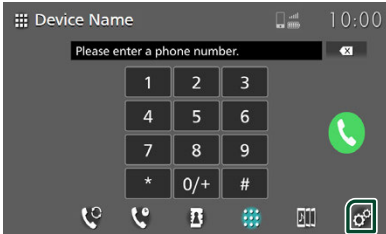
➤ Confirmation message appears.

4 Touch **OK**.

## Phone Setup

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

- 1 Press  button.  
➤ HOME screen appears.
- 2 Touch .
- 3 Touch **Phone**.  
➤ Hands Free screen appears.
- 4 Touch .



- Phone Setup screen appears.

### 5 Set each function as follows.

Phone Setup	
Auto Response	OFF
Sort Order	Last Name/First Name
Echo Cancel	0
Noise Reduction	0
Reception Volume	15
Incoming Ring Tone Volume	15

#### ■ Auto Response \*

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

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

**1 / 5 / 10 / 15 / 20 / 25 / 30**: Sets the ringing time (second).

#### ■ Sort Order

Set how to sort the data in the mobile phone phonebook.

**First Name/Last Name**: Sorts data by the first name.

**Last Name/First Name** (Default): Sorts data by the last name.

#### ■ Echo Cancel

Adjust the level of echo cancellation.

Default is "0".

#### ■ Noise Reduction

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

#### ■ Reception Volume

Adjust the receiver volume.

Default is "30".

#### ■ Incoming Ring Tone Volume

Adjust the ring tone volume of a new incoming call while talking.

Default is "22".

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

# Apps

## Apple CarPlay Operation

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

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

### Compatible iPhone devices

You can use Apple CarPlay with the following iPhone models.

- iPhone 14 Pro Max
- iPhone 14 Pro
- iPhone 14 Plus
- iPhone 14
- iPhone SE (3rd generation)
- iPhone 13 Pro Max
- iPhone 13 Pro
- iPhone 13
- iPhone 13 mini
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12
- iPhone 12 mini
- iPhone SE (2nd generation)
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8 Plus
- iPhone 8

## Connecting an iPhone

### 1 Connect the iPhone to the USB port. (P.17)

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

### 2 Unlock your iPhone and approve.

#### NOTE

- You cannot use Apple CarPlay if the function is turned off by operating the iPhone at functional setup.

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

- Touch **Apple CarPlay** icon on the source selection screen. (P.13)
- Touch the following connection message if the message appears.



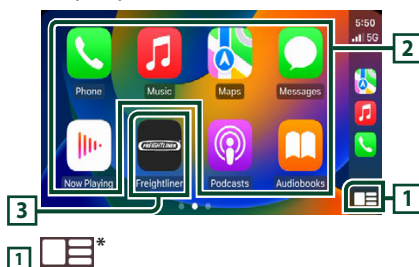
### NOTE

- The connection message appears when;
  - The iPhone you used previously is connected again.
  - The screen other than HOME and the source selection screen is displayed.
- The connection message is displayed for about 5 seconds.
- If the system fails to get a friendly name from the connected iPhone, the subject of the connection message will be "Apple CarPlay" or "\*\*\*\* device".

## Operation keys and available Apps on the home screen of Apple CarPlay

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

To enter the Apple CarPlay mode, touch **Apple CarPlay** icon on the source selection screen. (P.12)



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

### 2 Application keys

Starts the application.

### 3 HOME

Exits the Apple CarPlay screen and displays the Home screen.


\* The icon design may change depending on the iOS version.  
The icon differs according to the vehicle's brand.

## To exit the Apple CarPlay screen

- 1 Press the **HOME** button.

## Use Siri

You can activate Siri.

- 1 Press the  button.



- 2 Talk to Siri.

### **To deactivate**

- 1 Press the  button.

## Android Auto™ Operation

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

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

### **Compatible Android smartphones**

You can use Android Auto with Android smartphones of Android version 8 or later.

#### NOTE

- Android Auto may not be available on all devices and may not be available in all countries or regions.
- Turn-by-turn navigation instructions are not available for heavy-duty trucks, as a limitation from Google.

### ● **About the placement of smartphone**

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

#### NOTE

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

## ■ Connecting an Android smartphone

### 1 Connect the Android smartphone to the USB port. (P.17)

To use the Hands-Free function, connect the Android smartphone via Bluetooth. When an Android smartphone compatible with Android Auto is connected to the USB port, the device is connected via Bluetooth automatically, and the Bluetooth Hands-Free phone currently connected is disconnected.

### 2 Unlock your Android smartphone.

### 3 Press the button.

### 4 Touch .

### 5 Touch **Android Auto**. (P.13)

#### NOTE

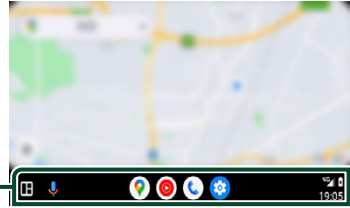
- Turn on the Bluetooth function of Android smartphone.

## ■ Operation keys and available Apps on the Android Auto screen

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

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

To enter the Android Auto mode, touch the **Android Auto** icon on the source selection screen. (P.12)



### 1 Application/information keys

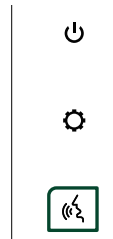
Starts the application or displays information.

#### To exit the Android Auto screen

### 1 Press the button.

## ■ Using voice control

### 1 Press the button.



### 2 Start speaking.

#### To cancel

### 1 Press the button.





# USB


## ⚠ WARNING

- Any video won't be played while driving to prevent driver's eyes from fixing on the unit's display. Stop the vehicle in a safe place and apply the parking brake before performing such function.

## Connecting a USB device

- 1 Connect the USB device to the USB port. (P.17)
- 2 Press  button.  
➤ HOME screen appears.
- 3 Touch .
- 4 Touch **USB**. (P.13)

## Disconnect the USB device

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

## Usable USB device

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

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

### ● About the file system

The file system should be the one of the following.

- FAT16
- FAT32
- exFAT
- NTFS

## NOTICE

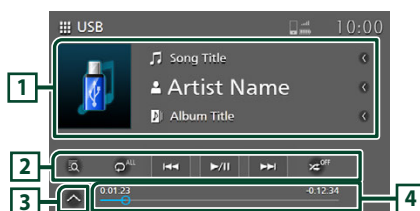
- Install the USB device in the place where it will not affect safe driving.
- You cannot connect a USB device via a USB hub and Multi Card Reader.
- Take backups of the audio files used with this unit. The files can be erased depending on the operating conditions of the USB device. We shall have no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

## USB Basic Operation

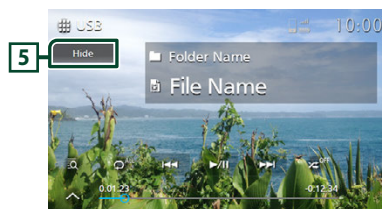
Most functions can be controlled from the source control screen and playback screen.

### Control screen

#### Music file



#### Video file



### Sub-control panel



#### 1 Track information

Displays the information on the current file.

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

## 2 Operation keys

- : Searches track/file. For details on search operation, see **Search Operation (P.34)**.
- : Searches the previous/next track/file.  
Touch and hold to fast forward or fast backward.
- : Plays or pauses.
- : Repeats the current track/folder. Each time you touch the key, repeat modes are switched in the following sequence:  
File repeat ( ), Folder repeat ( ), Repeat all ( )
- : Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence:  
Folder random ( ), Random off ( )

## 3 Sub-control panel

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

- : Searches for the previous/next folder.

## 4 Playing time

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



## 5 Hide (Video file only)

Hides the control screen.

Video screen



## 6 Key display area (Video file only)

Touch to display the control screen.

## Search Operation

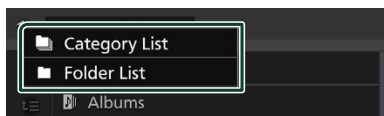
You can search music or video files by the following operations.

1 Touch on the USB control screen.

2 Touch .



3 Select a list type.



### NOTE

- For operations on the list screen, see **List screen (P.15)**.

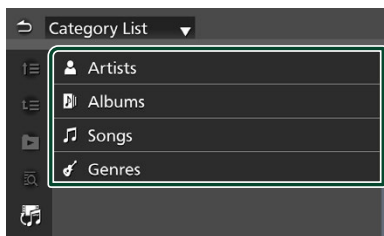
## Category search

You can search for a file by selecting a category.

1 Touch **Category List**.

2 Select whether you search audio files or video files .

3 Touch the desired category.



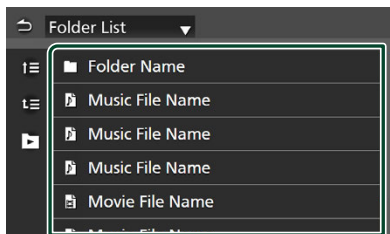
- The list corresponding to your selection appears.

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

## Folder search

You can search for a file according to hierarchy.

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



When you touch a folder its contents are displayed.

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

# iPod/iPhone

## Preparation

### Connectable iPod/iPhone

Only models which have the Lightning port or Bluetooth can be connected to this unit.

### WARNING

- Firmly secure the iPod/iPhone when driving. Do not let the iPod/iPhone fall onto the floor, where it may become jammed under the brake or accelerator pedal.

### NOTICE


- Daimler Truck North America accepts no responsibility for data lost from an iPod/iPhone, even if that data is lost while using this product. Please back up your iPod/iPhone data regularly.
- Do not leave the iPod/iPhone in direct sunlight for extended amounts of time. Extended exposure to direct sunlight can result in iPod/iPhone malfunction due to the resulting high temperature.
- Do not leave the iPod/iPhone in any location with high temperatures.

### NOTE

- When you turn on this unit, the iPod/iPhone is charged through the unit.
- If you restart playback after connecting the iPod, the music that has been played by the iPod is played first.

## Connect iPod/iPhone

### Wired connection

- 1 Connect the iPod/iPhone to the USB port. (P.17)
  - 2 Press  button.  
➤ HOME screen appears.
  - 3 Touch .
  - 4 Touch iPod. (P.13)
- To disconnect the iPod/iPhone connected with the cable:
- 1 Detach the iPod/iPhone.

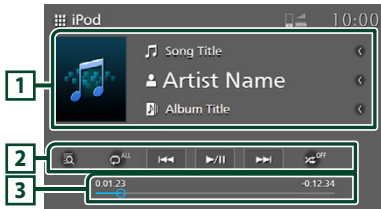
### Bluetooth connection

Pair the iPhone through Bluetooth.

#### Preparation

- To connect an iPhone via Bluetooth, register it as a Bluetooth device and do the profile setting for the connection beforehand. See **Pair your Bluetooth device (P.18)** and **Connect the Bluetooth device (P.20)**.
- Connect an iPhone via Bluetooth while Apple CarPlay and an iPod/iPhone are not connected via USB.
- With an iPhone compatible with Apple CarPlay, turn off Apple CarPlay by operating the iPhone at functional setup before connecting iPhone. For details of the setup method, contact the manufacturer of the terminal.
- Only one iPod/iPhone can be connected.

## iPod/iPhone Basic Operation



### 1 Track information

Displays the information on the current file.

### 2 Operation keys

- : Searches for a track/file. For details on search operation, see **Search Operation (P.37)**.
- : Searches for the previous/next track/file.  
Touch and hold to fast forward or fast backward.
- : Plays or pauses.
- : Repeats the current track/album. Each time you touch the key, repeat modes are switched in the following sequence:  
All songs repeat ( ), Song repeat ( ), Repeat off ( )
- : Randomly plays all tracks in the current album. Each time you touch the key, random modes are switched in the following sequence:  
Song random ( ), Random off ( )

### 3 Playing time

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



## Search Operation

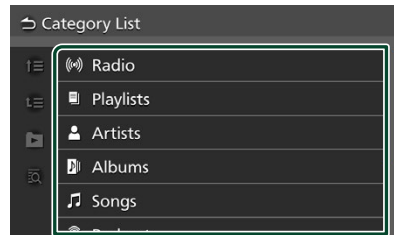
You can search music files by the following operation.

### NOTE

- For operations on the list screen, see **List screen (P.15)**.

1 Touch on the iPod/iPhone control screen.

2 Touch the desired category.



➤ The list corresponding to your selection appears.

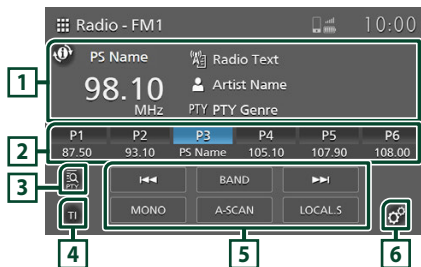
3 Touch to select the desired item in the list. Repeat this step until you find the desired file.

# Radio

## Radio Basic Operation


Most functions can be controlled from the source control screen.

To enter Radio source, touch the **Radio** icon in the source selection screen. (**P.12**)



### 1 Information display

Displays the information of the current station:  
Frequency

Touching  allows you to switch the displaying RDS information.

Type A: PS name, Radio Text/Song Name, Artist Name, PTY

Type B: PS name

### 2 Preset keys

Recalls the memorized station.

When pressed for 2 seconds, stores the current receiving station to a memory preset.

### 3 PTY (FM only)

Searches a program by setting program type. For details, see **Search by program type (P.39)**.

### 4 TI (FM only)

Sets the traffic information mode on. For details, see **To activate TI (Traffic Information) and Breaking News reception mode (P.40)**.

### 5 Operation keys

- **◀▶** : Switches to the previous/next frequency manually.  
The frequency switches continuously while the key is touched. When the key is released, the next broadcast station with good reception conditions is automatically tuned in.
- **BAND** : Switches the band (FM1/FM2, AM).
- **MONO** (FM only) : Switches the FM stereo broadcast to in monaural reception. This is effective to reduce the noise.
- **A-SCAN** (FM only): Presets stations automatically. For details, see **Auto preset memory (P.39)**.
- **LOCALS** (FM only) : Receives only the stations with good reception.

### 6 (FM only)

Displays the Radio Setup screen. For details, see **Radio Setup (P.41)**.

## Memory Operation

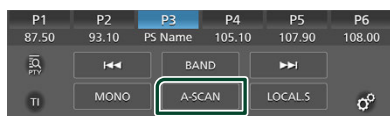
### Auto preset memory (FM only)

You can store stations in memory automatically.

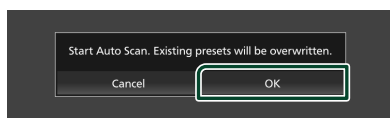
#### 1 Touch **BAND** to select the band (FM1, FM2).



#### 2 Touch **A-SCAN**.



#### 3 Touch **OK**.



➤ Auto preset memory starts.

### NOTE

- The stations in which the auto preset memory function tunes are limited depending on the settings.
  - When the AF function is set to "AF" or "AF Regional" in Radio Setup screen and the traffic information mode is set to off, only the Radio Data System stations are stored.
  - When the traffic information mode is set to on, only the Radio Data System stations that include the TI information are stored.

### Manual memory

You can store the current receiving station in memory.

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

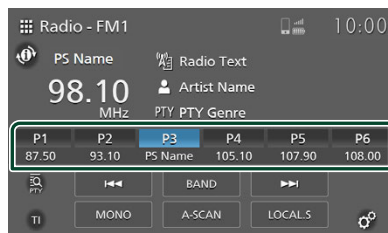
#### 2 Touch **P#** (#:1-6) in which you want to store the station for 2 seconds until a beep sounds.

## Selecting Operation

### Preset select

You can select memorized station.

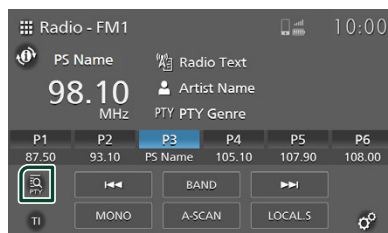
#### 1 Touch desired preset station.



### Search by program type (FM only)

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

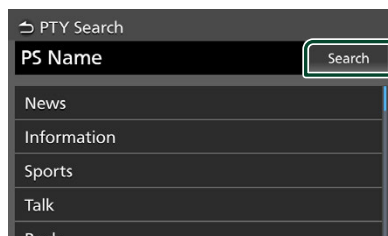
#### 1 Touch **PTY**.



➤ PTY Search screen appears.

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

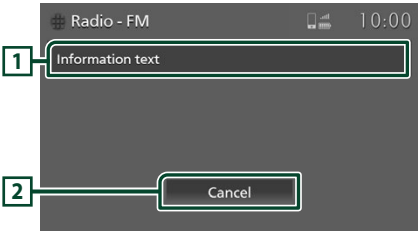
#### 3 Touch **Search**.



You can search a station of the selected program type.

**Breaking News and Traffic Information (FM only)**

You can listen and watch the traffic information, news, and alarm bulletin automatically when these bulletin starts. Once the bulletin is complete, the radio will return to its original station.



**1 Information text**

Displays the Traffic Information, News, and Alarm message.

**2 Cancel (Traffic Information/ News only)**

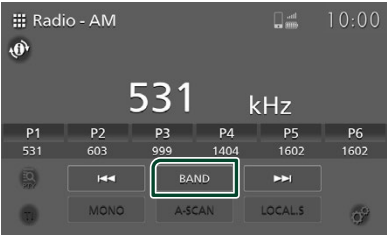
Traffic Information: Sets the Traffic Information function off and return to the original screen.  
News: Sets the news bulletin interruption function off and return to the original screen.

**NOTE**

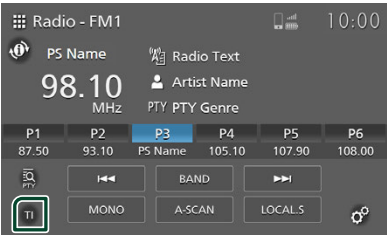
- It is necessary to have the Traffic Information function set to on in order to have the Traffic Information screen appear automatically. **(P.40)**
- It is necessary to have the news bulletin interruption function set to on in order to have the News screen appear automatically. **(P.40)**
- The volume setting during reception of traffic information is automatically stored. The next time the traffic information/news/alarm bulletin is received, this unit recalls the volume setting automatically.

**To activate TI (Traffic Information) and Breaking News reception mode**

**1** Touch **BAND** to switch to FM band.



**2** Touch **TI**.



➤ Traffic information mode is set.

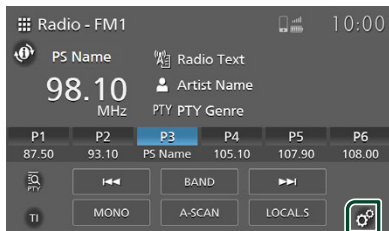


## Radio Setup (FM only)

You can set radio related parameters.

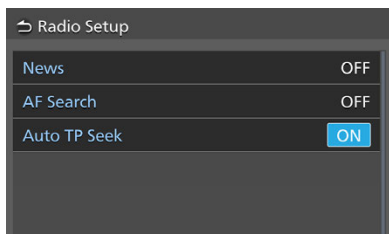
**1** Touch **Band** to switch to FM band.

**2** Touch .



➤ Radio Setup screen appears.

**3** Set each item as follows.



### ■ News

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

### ■ AF Search

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

**AF Regional**: Limits the station to only in the specific region while using the "AF" control.

**OFF** (Default): Cancels this function.

### ■ Auto TP Seek

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

# Other External Components

## Camera

### Camera view

When the gears are set to the reverse (R) position, the screen automatically displays channel 1 (the backup camera) in the single camera mode.

The picture from the camera is also displayed when the vehicle's camera switch is operated.

When the vehicle is stopped, the camera view can be displayed by touching the **camera** icon on the source selection screen.

The camera view is displayed in the mode set when the **camera** icon on the source selection screen was last operated. (P.13)

### CAUTION

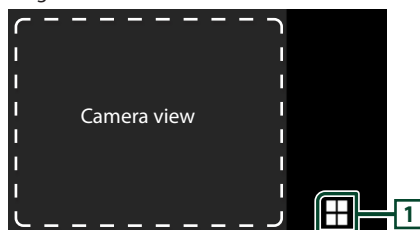
- The picture displayed on the screen will not be clear if the camera lens is dirty. If there are water droplets, mud, etc. on the lens, follow the instructions included with the vehicle to clean the lens.
- The image quality may deteriorate depending on the usage environment, such as at night or in dark surroundings.
- The range projected by the camera is limited.
- Object located higher than the camera may not be displayed on the screen.
- The camera view is closed automatically if the gear is aligned to the positions other than the REVERSE (R) position.
- The camera view mode is to use this product as an aid while backing up. Do not use this function for entertainment purposes.

### Camera modes

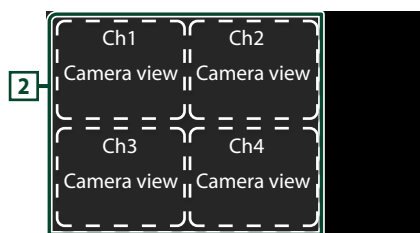
The camera screen can be displayed in the single-camera mode or the 4-camera mode.

You can also switch between the single-camera mode and the 4-camera mode.

#### Single-camera mode



#### 4-camera mode



#### 1 4-camera mode key

Touch this to switch to the 4-camera mode.

#### 2 Four camera channels

The channels are displayed in four sections. Touch the display area for the desired channel to display the selected channel in the single-camera mode.

#### NOTE

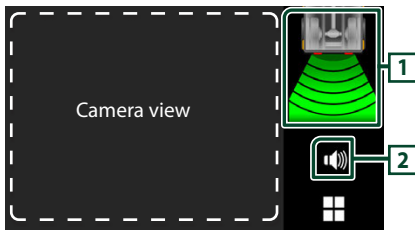
- This function can only be used for vehicles equipped with cameras.
- When the camera switch on the vehicle is operated, the camera mode switches to the 4-camera mode if multiple cameras are operated.
- For details, refer to the vehicle's manual.
- If the vehicle begins traveling (approximately 10 km/h or 6.2 mph) while the camera screen is being displayed via the **camera** icon on the source selection screen, the screen will return to the previous screen.
- If the gear is switched to reverse (R) directly after the engine is started, the screen may switch to the single-camera mode for channel 1 (the backup camera), with no 4-camera mode key. The 4-camera mode key will appear after a short while.

## Backup Alert

This function can be used to check the detection information on the display and through a warning sound when the vehicle's sensor detects an obstacle to the rear while reversing.

### ⚠ CAUTION

- The sensor does not necessarily detect all objects. Check the vehicle's manual for information on the sensor's detection range, etc.
- If an error icon is displayed continuously, contact Daimler Truck North America as soon as possible.



### 1

A visual warning concerning the distance between the vehicle and the object is displayed.

	• No Object
	• The display indicates the distance to the obstacle, from zone 1 to zone 5.
	• Backup Alert OFF.

### Error icons

	• This is displayed if there is ice, mud, snow or another substance on the sensor, preventing the sensor from operating properly.
	• This error icon is displayed when there is a problem with the system.
	• If the vehicle is reversing at a speed of about 10 km/h (6.2 mi/h) or greater, this error icon is displayed and an alarm is sounded.

### 2 MUTE Key

The warning sound can be turned on/off. The warning sound is turned back on when the ignition key is turned off then back on.

	: Warning sound on
	: Warning sound off

### NOTE

- This function can only be used if the vehicle is equipped with a proximity sensor.
- For details, refer to the vehicle's manual.
- "Backup Alert" at **Connection Setup (P.21)** must be set to "ON" in order to use the backup alert function.

## AUX

This function can be used to listen to the sound connected to the vehicle's external audio input terminal.

Some vehicles do not have input terminals.



- 1 Connect the device to the vehicle's external audio input terminal.
- 2 Press button.  
➤ HOME screen appears.
- 3 Touch .
- 4 Touch **AUX**. (P.13)

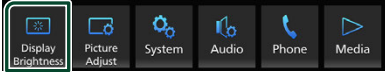
### NOTE

- For details, refer to the vehicle's manual.
- To select the AUX In source, it is necessary to set "AUX Input (Rear)" to "ON" in **Connection Setup (P.21)**.

# Setup

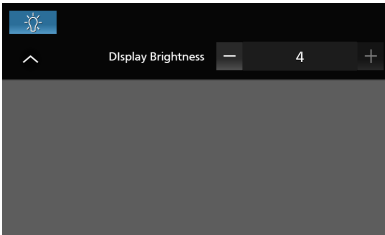
## Display Brightness

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .



➤ Display control screen appears.



- 3 Adjust each setting as follows.

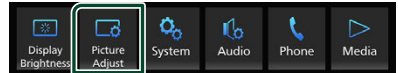


Adjust the backlight. ("4" to "4")

## Picture Adjust

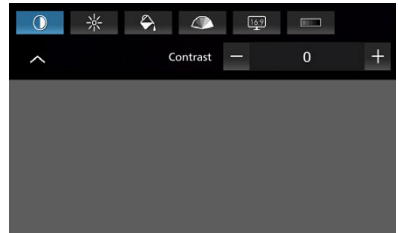
You can adjust the image quality of video, etc.

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .



➤ Picture control screen appears.

- 3 Adjust each setting as follows.



Adjust each setting.

-  **(Camera only)**

Adjust the tint. ("4" to "4")

-  **(Video file only)**

Select a screen mode.

**Full** : Displays video at the ratio of 16:9.

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

**Auto** : USB device : Displays video fully (vertically or horizontally) with no ratio change.

-  **(Apple CarPlay,Android Auto only)**

Adjust setting.

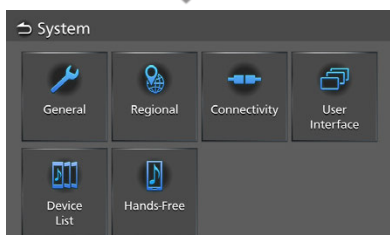
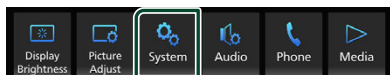
### NOTE

- Settings to adjust vary depending on the current source.

## System Setup

- 1 Press  button.  
➤ Popup menu appears.

- 2 Touch .



See the following section for each setting.

- General systems (P.45)
- Regional systems (P.9)
- Connectivity systems (P.21)
- User interface systems (P.46)
- Device List (P.20)
- Hands-Free (P.48)

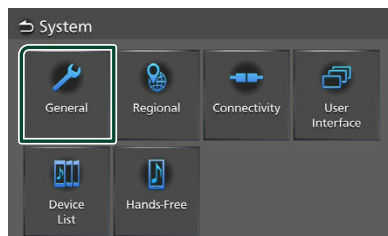
## General Systems

You can confirm the information of this unit.

- 1 Press  button.  
➤ Popup menu appears.

- 2 Touch .

- 3 Touch **General**.



➤ General screen appears.

- 4 Set each parameter as follows.

### ■ Software Information

Confirm the software version of this unit.  
(P.45)

### ■ Open Source Licenses

Display the open source licenses.

### ■ Restoring Factory Default

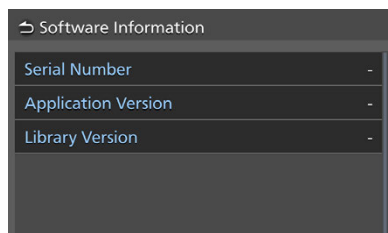
Touch **Restoring Factory Default** and then touch **OK** to set all the settings to the initial default settings.

## Software Information



You can confirm the software version of this unit.

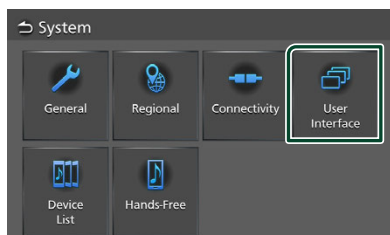
- 1 Touch **Software Information** in the General screen.

- 2 Confirm the software version.



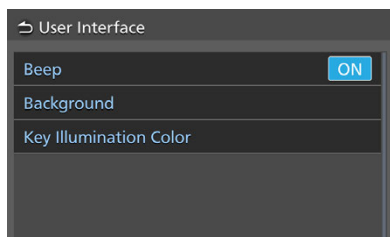
## User Interface Systems

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .
- System screen appears.
- 3 Touch **User Interface**.



➤ User Interface screen appears.

- 4 Set each parameter as follows.



### ■ Beep

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

### ■ Background

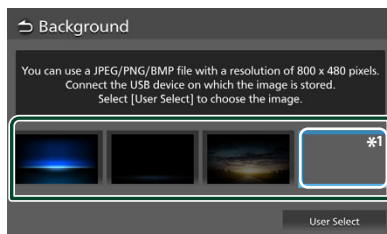
You can change the background image.  
(P.46)

### ■ Key Illumination Color

You can change the key illumination color.  
(P.47)

## Change the background image

- 1 Touch **Background** on the User Interface screen.
- 2 Select an image.



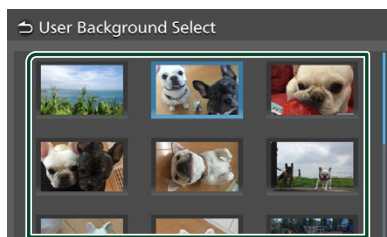
\*1 Register an original image in advance.

### To register an original image

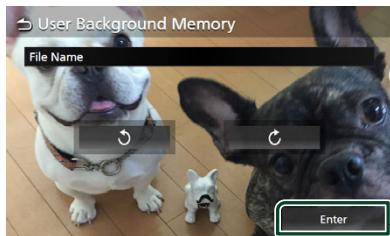
You can load an image from the connected USB device and set it as the background image.

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

- 1 Touch **User Select** on the Background screen.
- 2 Select the image to load.





### 3 Touch **Enter**.



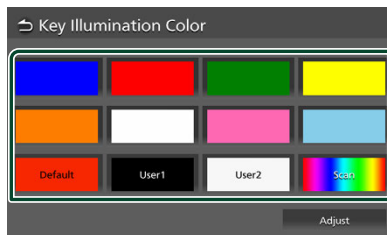
- The selected image is loaded and the display returns to the Background screen.

#### NOTE

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

### **Change the key Illumination color**

- 1 Touch **Key Illumination Color** on the User Interface screen.
- 2 Select a key illumination color.

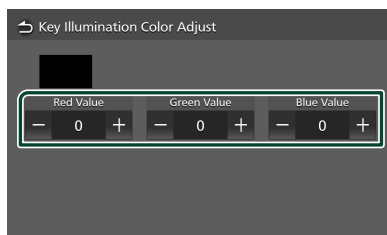


### 3 Touch .

#### *To register an original color*

You can register your original color.

- 1 Touch **User1** or **User2** on the Key Illumination Color screen.
- 2 Touch **Adjust**.
- 3 Use **-** and **+** to adjust each color value.





### 4 Touch .

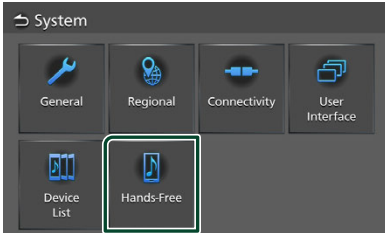
#### *To initialize the key illumination color*

To initialize the key illumination color, touch **Default**.

## Hands-Free

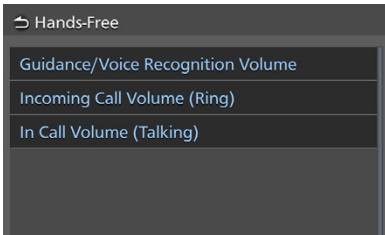
You can set the volume for hands-free actions.

- 1 Press  button.
  - Popup menu appears.
- 2 Touch .
- 3 Touch **Hands-Free**.



➤ Hands-Free screen appears.

- 4 Set each function as follows.



### ■ Guidance/Voice Recognition Volume

Adjust the Guidance/Voice Recognition volume. (Only for Apple CarPlay/Android Auto)

Default is "25".

### ■ Incoming Call Volume (Ring)

Adjust the Incoming Call volume (Ring) of a new incoming call while talking.

Default is "22".

### ■ In Call Volume (Talking)

Adjust the In Call Volume (Talking) of a new incoming call while talking.



Apple CarPlay : Default is "35".

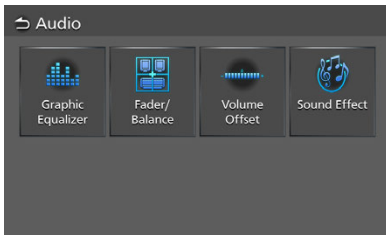
Android Auto/Bluetooth : Default is "30".



# General audio controls

You can adjust various settings such as audio balance.

- 1 Press  button.  
 > Popup menu appears.
- 2 Touch .





See the following section for each setting.

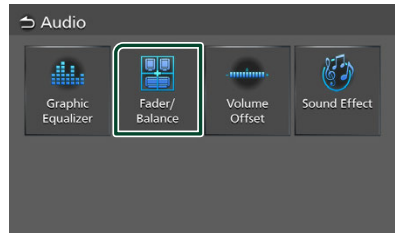
- Controlling equalizer (**P.50**)
- Controlling general audio (Fader/Balance) (**P.49**)
- Set volume offset (**P.51**)
- Set sound effect (**P.51**)

## NOTE

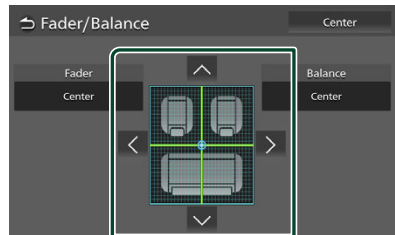
- None of the audio setting functions can be used if "Media Off" is selected. Switch to the source that you want to adjust audio settings.

## General audio controls

- 1 Press  button.  
 > Popup menu appears.
- 2 Touch .
- 3 Touch **Fader/Balance**.





- 4 Set each parameter as follows.



### Fader / Balance

Adjust the volume balance around the touched area.

 and  adjust the right and left volume balance.



 and  adjust the front and rear volume balance.

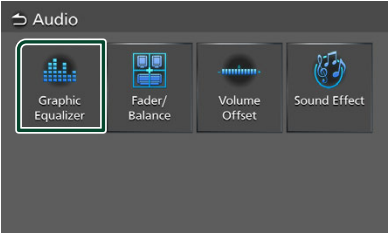
### Center

Clear the adjustment.

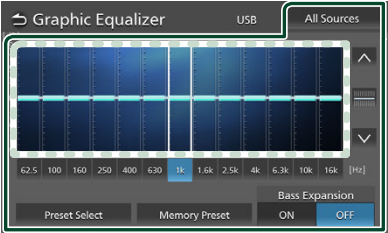
# Equalizer Control

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

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .
- 3 Touch **Graphic Equalizer**.




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



## ■ Gain level (area in dotted frame)

Adjust the gain level by touching each frequency bar.

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

## ■ Preset Select

Display the screen for selecting the preset equalizer curve. (P.50)

## ■ Memory Preset

Saves the adjusted equalizer curve as "User".



Initialize (flatten) the current EQ curve.

## ■ All Sources

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

## ■ ON / OFF (Bass Extend Settings)

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



## Recall the EQ curve

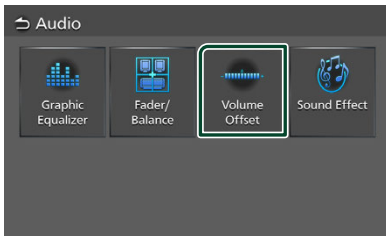
- 1 Touch **Preset Select**.
- 2 Select an EQ curve.



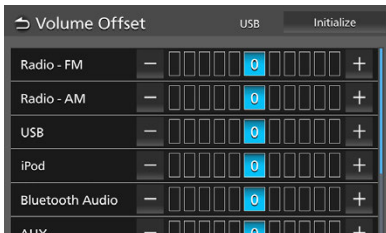
## Volume Offset

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

- 1 Press  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.



Touch **Initialize** and then touch **OK** on the confirmation screen.

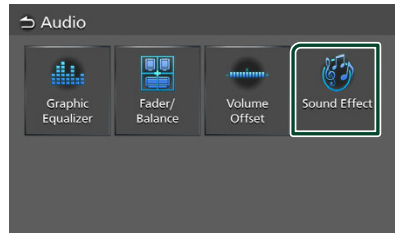
### NOTE

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

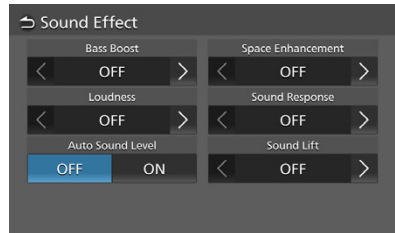
## Sound Effect

You can set sound effects.

- 1 Press  button.  
➤ Popup menu appears.
- 2 Touch .  
➤ Audio screen appears.
- 3 Touch **Sound Effect**.



- 4 Set each parameter as follows.



### ■ Bass Boost

Set the amount of bass boost.

"OFF"/"1"/"2"/"3"

### ■ Loudness

Set the amount of boost of low and high tones.

"OFF", "Low", "High"

### ■ Auto Sound Level

Receiver automatically adjust EQ setting based of volume level or vehicle speed.

"OFF", "ON"

### ■ Space Enhancement

Select the feeling of sound space enhancement.

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

This setting is not available for the Radio source.

## ***General audio controls***

### **■ Sound Response**

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

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

### **■ Sound Lift**

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

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

# Troubleshooting

## Problems and Solutions

If you have problems operating this product, refer to this section. The most common problems are listed below, along with likely causes and solutions. If a solution to your problem cannot be found here, contact your dealer or your nearest Service Center.

### 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.

## About audio operations

### The sound skips when an audio file is being played.

The recording condition is bad.

- Record the file again.

## Error Messages

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

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

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

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

### USB device over current status detected.

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

- Check the USB device. Some trouble may have occurred to the connected USB device.
- Change the source to any source other than USB. Remove the USB device.

# 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 – 96 kHz (USB)	16/ 24 bit
FLAC (.flac, .fla)	flac	–	16 – 96 kHz (USB)	16/ 24 bit
Vorbis (.ogg)	vorbis	VBR	16 – 48 kHz	16 bit

- WMA and AAC files with DRM cannot be played.
- Although the audio files complies with the standards listed above, they may not be played depending on the types or conditions of media or device.
- Album art images cannot be displayed on this unit if no image data is present or if the size is too large.

#### Acceptable Video files

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

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

#### Limitation on structure of file and folder

	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)	Unlimited

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

## Specifications

### ■ Monitor section

#### Picture Size

: 6.95 inches (diagonal) wide  
156.6 mm (W) x 81.6 mm (H)

#### Display System

: TFT LCD panel

#### Drive System

: TFT active matrix system

#### Number of Pixels

: 1,152,000 (800H x 480V x RGB)

#### Effective Pixels

: 99.99 %

#### Pixel Arrangement

: RGB striped arrangement

#### Back Lighting

: LED

### ■ USB interface section

#### USB Standard

: USB 2.0 High Speed

#### File System

: FAT 16/ 32, exFAT, NTFS

#### Maximum Power Supply Current

: DC 5 V  3.0 A x 1

#### D/A Converter

: 24/32 bit

#### Audio Decoder

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

#### Video Decoder

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

### ■ Bluetooth section

#### Technology

: Bluetooth Ver. 5.2

#### 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)
- A2DP (Advanced Audio Distribution Profile)
- AVRCP (Audio/Video Remote Control Profile)
- PBAP (Phonebook Access Profile)

### ■ FM tuner section

#### Frequency Range (step)

: 87.5 MHz – 108.0 MHz (Auto:100 kHz,Manual:50 kHz)

#### Usable Sensitivity (S/N : 30 dB)

: 9.3 dBf (0.8  $\mu$ V/75  $\Omega$ )

#### Quieting Sensitivity (S/N : 46 dB)

: 15.2 dBf (1.6  $\mu$ V/75  $\Omega$ )

#### Frequency Response

: 30 Hz – 15 kHz

#### S/N Ratio (dB)

: 60 dB (MONO)

#### Selectivity ( $\pm$ 400 kHz)

: Over 80 dB

#### Stereo Separation

: 45 dB (1 kHz)

### ■ AM tuner section

#### Frequency Range (step)

: 531 kHz – 1701 kHz (9 kHz)

#### Usable Sensitivity

: 28 dB $\mu$  (25  $\mu$ V)

## Appendix

### ■ Audio section

#### Maximum Power (Front & Rear)

: 23 W × 4

#### Typical Power Output (Front & Rear)

Full Bandwidth Power (at less than 1% THD)

: 16 W × 4

#### Output frequency band

: 20 – 20,000 Hz

#### Speaker Impedance

: 4 Ω

#### Graphics equalizer

Band: 13 Band

Frequency (BAND1 – 13)

: 62.5/100/160/250/400/630/1k/1.6k/2.5k/4k/6.3k/  
10k/ 16k Hz

#### Gain

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

### ■ General

#### Operating Voltage

: 12 V DC

#### Maximum Current Consumption

: 15 A

#### Dimensions (W × H × D)

Chassis : 178 mm (W) × 50 mm (H) × 149.9 mm (D)

Front panel : 200 mm (W) × 105 mm (H)

#### Weight

: 1.3 kg

#### Operation Temperature

: -20 °C to +70 °C

#### NOTE

- Although the effective pixels for the liquid crystal panel is given as 99.99% or more, 0.01% of pixels may not light or may light incorrectly.

**Specifications are subject to change without prior notice.**

## About this Unit

### ■ Trademarks and licenses



Made for

iPhone | iPod



Works with

Apple CarPlay

## Android Auto

- The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by JVCKENWOOD Corporation is under license. Other trademarks and trade names are those of their respective owners.
- Windows Media is a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.
- This software is based in part on the work of the independent JPEG Group.
- USB Type-C® and USB-C® are registered trademarks of USB Implementers Forum.
- Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with an Apple product may affect wireless performance.
- Apple, iPhone, iPod, iPod touch, and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.



- Apple, Siri, Apple CarPlay, Apple Music and Apple CarPlay logo are trademarks of Apple Inc., registered in the U.S. and other countries.
- App Store is a service mark of Apple Inc., registered in the U.S. and other countries.
- IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.
- Google, Android, Android Auto, YouTube Music and other marks are trademarks of Google LLC.
- To use Android Auto on your car display, you'll need an Android phone running Android 8 or higher, an active data plan, and the Android Auto app.
- Linux® is the registered trademark of Linus Torvalds in the U.S. and other countries.
- This product includes FontAvenue® fonts licenced by NEC Corporation. FontAvenue is a registered trademark of NEC Corporation.



### FontAvenue

- This product includes "Ubiquitous QuickBoot TM" technology developed by Ubiquitous Corp. Ubiquitous QuickBoot TM is a trademark of Ubiquitous Corp. Copyright© 2023 Ubiquitous AI Corporation. All rights reserved.



Ubiquitous AI Corporation

- THIS PRODUCT IS LICENSED UNDER THE AVC PATENT PORTFOLIO LICENSE FOR THE PERSONAL USE OF A CONSUMER OR OTHER USES IN WHICH IT DOES NOT RECEIVE REMUNERATION TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE AVC STANDARD ("AVC VIDEO") AND/OR (ii) DECODE AVC VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE AVC VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [HTTPS://WWW.MPEGLA.COM](https://www.mpegla.com)
- THIS PRODUCT IS LICENSED UNDER THE MPEG-4 VISUAL PATENT PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER FOR (i) ENCODING VIDEO IN COMPLIANCE WITH THE MPEG-4 VISUAL STANDARD ("MPEG-4 VIDEO") AND/OR (ii) DECODING MPEG-4 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED BY MPEG LA TO PROVIDE MPEG-4 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION INCLUDING THAT RELATING TO PROMOTIONAL, INTERNAL AND COMMERCIAL USES AND LICENSING MAY BE OBTAINED FROM MPEG LA, LLC. SEE [HTTPS://WWW.MPEGLA.COM](https://www.mpegla.com).
- THIS PRODUCT IS LICENSED UNDER THE VC-1 PATENT

PORTFOLIO LICENSE FOR THE PERSONAL AND NON-COMMERCIAL USE OF A CONSUMER TO (i) ENCODE VIDEO IN COMPLIANCE WITH THE VC-1 STANDARD ("VC-1 VIDEO") AND/OR (ii) DECODE VC-1 VIDEO THAT WAS ENCODED BY A CONSUMER ENGAGED IN A PERSONAL AND NON-COMMERCIAL ACTIVITY AND/OR WAS OBTAINED FROM A VIDEO PROVIDER LICENSED TO PROVIDE VC-1 VIDEO. NO LICENSE IS GRANTED OR SHALL BE IMPLIED FOR ANY OTHER USE. ADDITIONAL INFORMATION MAY BE OBTAINED FROM MPEG LA, L.L.C. SEE [HTTPS://WWW.MPEGLA.COM](https://www.mpegla.com)

- libFLAC  
Copyright (C) 2000-2009 Josh Coalson  
Copyright (C) 2011-2013 Xiph.Org Foundation  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
  - Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.
- THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
- libvorbis  
Copyright (c) 2002-2008 Xiph.org Foundation  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:
  - Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
  - Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.

- Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

- libogg

Copyright (c) 2002, Xiph.org Foundation  
Redistribution and use in source and binary forms, with or without modification, are permitted provided that the following conditions are met:

- Redistributions of source code must retain the above copyright notice, this list of conditions and the following disclaimer.
- Redistributions in binary form must reproduce the above copyright notice, this list of conditions and the following disclaimer in the documentation and/or other materials provided with the distribution.
- Neither the name of the Xiph.org Foundation nor the names of its contributors may be used to endorse or promote products derived from this software without specific prior written permission.

THIS SOFTWARE IS PROVIDED BY THE COPYRIGHT HOLDERS AND CONTRIBUTORS "AS IS" AND ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED. IN NO EVENT SHALL THE FOUNDATION OR CONTRIBUTORS BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

## ■ FCC CAUTION

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

### NOTE

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

## ■ ISSED 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.

## ■ Attention de l'ISDE

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

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

## ▲ ATTENTION

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles des radioélectriques (RF) de la FCC lignes directrices d'exposition et d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

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

### Supplier's Declaration of Conformity

Products: Digital Media Receiver  
 Model Name: DMXDT701  
 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.



#### **NOTICE TO OWNER**

Please retain this booklet and write the serial number of this product for identification and accurate reporting to your local police in the event of theft.

#### **● How to confirm the serial number of this unit.**

- ① Press  button.
- ② Touch .
- ③ Touch **General**.
- ④ Touch **Software Information**.
- ⑤ Confirm the Serial Number.

Serial Number \_\_\_\_\_