KENWOOD

MONITOR WITH DVD RECEIVER

DDX9905S DDX9705S DDX9018BTS

MONITOR WITH RECEIVER

DMX905S

INSTRUCTION MANUAL

JVCKENWOOD Corporation

 Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from http://www.kenwood.com/cs/ce/.

Take the time to read through this instruction manual.

Familiarity with installation and operation procedures will help you obtain the best performance from your new receiver.

For your records

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

Model DDX9905S/ DDX9705S/ DDX9018BTS/ DMX905S Serial number _____

US Residence Only

Register Online

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

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Before Use

Precautions

▲ WARNINGS

To prevent injury or fire, take the following precautions:

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

Precautions on using this unit

- When you purchase optional accessories, check with your KENWOOD dealer to make sure that they work with your model and in your area.
- You can select a language to display menus, audio file tags, etc. See *User Interface Setup* (P.73).
- The Radio Data System or Radio Broadcast Data System feature won't work in areas where the service is not supported by any broadcasting station.

Protecting the monitor

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

Cleaning the unit

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

NOTE

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

Lens fogging

When you turn on the car heater in cold weather, dew may form on the lens in the disc player of the unit due to condensation. This condensation on the lens (also called lens fogging) may not allow discs to play. In such a situation, remove the disc and wait for the dew to evaporate. If the unit still does not operate normally after a while, consult your KENWOOD dealer.

Precautions on handling discs

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use disc type accessories.
- Clean the disc from the center toward the
- When removing a disc from this unit, pull it out horizontally.
- If the disc center hole or outside rim has burrs, use the disc only after removing the burrs with a ballpoint pen etc.
- Discs that are not round cannot be used.





- · 8-cm (3 inch) discs cannot be used.
- Discs with coloring on the recording surface or discs that are dirty cannot be used.

• This unit can only play the following tyeps of CDs.



- This unit may not correctly play discs which do not have the mark.
- You cannot play a disc that has not been finalized. (For the finalization process, see your writing software and your recorder's instruction manual.)

Acquiring GPS signal

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

How to read this manual

· The screens and panels shown in this manual are examples used to provide a clear explanation of operations.

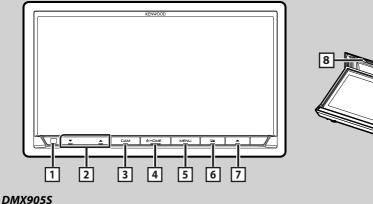
For this reason, they may be different from the actual screens or panels, or some display patterns may be different from the actual ones.

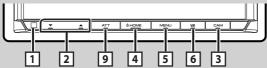
• Display language: English is used for the purpose of explanation. You can select a display language from the **SETUP** menu. See *User Interface Setup* (P.73).

Basic Operations

Functions of the Buttons on the Front Panel

DDX9905S/DDX9705S/DDX9018BTS





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

Number	Name	Motion
1	Remote Sensor	Receives the remote control signal.
2	▼, ▲ (Volume)	Adjusts the volume. The volume will go up to 15 when you keep pressing ▲.
3	CAM	Switches view camera display on/off. (P.69) The camera whose view is displayed first changes according to the "Camera Setup" setting and the shift lever position in the shift gate.
4	HOME	Displays the HOME screen (P.11). Pressing for 1 second turns the power off. When the power is off, turns the power on.
5	MENU	Displays the popup menu screen. Pressing for 1 second switches attenuation of the volume on/off. (DDX9905S/DDX9705S/DDX9018BTS only)
6	==	Displays the APP (CarPlay/ Android Auto/ WebLink) screen. Pressing for 1 second displays the Voice Recognition screen (P.65).

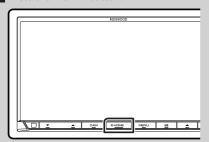
6

Number	Name	Motion
7	▲	Displays the Angle Adjust screen. Disc EJECT: Ejects the disc. When the panel is opened, pressing closes the panel. To forcibly eject the disc, press it for 2 seconds and then touch DISC EJECT after the message is displayed.
8	Disc insert slot	A slot to insert a disc media. (DDX9905S/ DDX9705S/ DDX9018BTS only)
9	ATT	Switches attenuation of the volume on/off.

Turning on the Unit

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

1 Press the **HOME** button.



➤ The unit is turned on.

• To turn off the unit:

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

NOTE

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

Initial Settings

Initial setup

Perform this setup when you use this unit first

1 Set each item as follows.



■ Language

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

- 1 Touch Language.
- 2 Touch Language Select.
- 3 Select the desired language.
- 4 Touch 6.

For details of operation, see *User Interface* Setup (P.73).

■ Clock

Sets the synchronization of the clock and adjusts it.

For detailed operation, see Calendar/clock settings (P.9).

Basic Operations

■ Display

Set the button illumination color.

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

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

For details of, see Display Setup (P.75).

■ Camera

Set the parameters for the camera.

- 1) Touch Camera
- ② Set each item and touch 与.

For details of, see Camera Setup (P.69).

■ OEM SETUP

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

■ DEMO

Set the demonstration mode. Default is "ON".

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

2 Touch Finish.



NOTE

 These settings can be made from the SETUP menu. See Setup (P.72).

Security Code Setup (DDX9018BTS)

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

When the Security Code function is activated, the code cannot be changed and the function cannot be deactivated. Note that the Security Code can be set with a 4 digit number of your choice.

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.



- ➤ SETUP Menu screen appears.
- 3 Touch Security.



- > Security screen appears.
- 4 Touch Security Code Set on the Security screen.
 - > Security Code Set screen appears.
- 5 Enter a security code with 4 digits and touch **Enter**.



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

Now, your security code is registered.

NOTE

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

To change the security code:

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

To clear the security code:

1 Touch Security Code Cancellation on the Security screen.

Calendar/clock settings

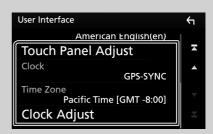
- 1 Press the **MENU** button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.



- > SETUP Menu screen appears.
- 3 Touch User Interface.



- ➤ User Interface screen appears.
- 4 Touch **Time Zone** in the User Interface screen.
- 5 Select the time zone.
- 6 Set each item as follows. Scroll the page to show hidden items.



■ Time Format

Select the time display format.

12-Hour (Default)/ 24-Hour

■ Clock

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

Manual: Set the clock manually.

■ Time Zone

Select the time zone.

■ Clock Adjust

If you select Manual for Clock, adjust the date and time manually. (P.73)

NOTE

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

Adjusting the volume

To adjust the volume (0 to 40),

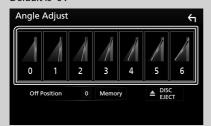
Press ▲ to increase, and press ▼ to decrease. Holding ▲ increases the volume continuously to level 15.



Monitor Angle Control (DDX9905S/ DDX9705S/ DDX9018BTS)

You can adjust the position of the monitor.

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



Off Position

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

Touch screen operations

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

Touch

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



Touch and hold

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



Flick

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



Swipe

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



HOME screen descriptions

Most functions can be performed from the HOME screen.



- Widget (P.15)
 - You can change the widget by flicking left or right on the widget area.
 - Touch the widget to display the detailed screen.
- Page indication for widgets
- Current source information
- Displays the control screen of the current source.
 - The artwork is displayed if available from current content.
- Current source information
- Displays the source selection screen. (P.12)
- Short-cut playback source icons (P.12)

Display the HOME screen

1 Press the **HOME** button.



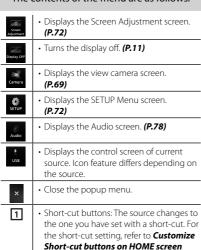
➤ HOME screen appears.

Popup menu

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



The contents of the menu are as follows.



(P.13).

Turn off the screen

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



- To turn on the screen
- 1 Touch the display.

Source selection screen description

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



- · Changes playback sources. П For playback sources, see P.12.
- · Page indication 2
- 3 • Changes pages. (Touch (/).) You can also change pages by flicking left or right on the screen.
- · Returns to the previous screen. 4
- · Displays the SETUP Menu screen. (P.72)

Select the playback source

1 Press the **HOME** button.

➤ HOME screen appears.

2 Touch Ⅲ.

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



 Switches to the Apple CarPlay screen from the connected iPhone. (P.23)



 Switches to the Android Auto screen from the connected Android device.
 (P.24)



Displays the Hands Free screen. (P.63)
When connecting as Apple CarPlay
or Android Auto, it works as a phone
provided in Apple CarPlay or Android
Auto.



 Switches to the Radio broadcast. (P.37) *2



 Switches to the HD Radio broadcast. (P.40) *3



 Switches to the SiriusXM® satellite radio broadcast. (P.46) *3



• Plays a Bluetooth audio player. (P.58)



Plays a disc. (P.17) *4



• Plays an iPod/iPhone. (P.34)



Plays files on a USB device. (P.31)
 Switches to Pandora. (P.29) *3



Switches to Spotify. (P.27)



 Switches to an external component connected to the AV-IN input terminal. (P.71)



· Displays the WebLink screen. (P.26)



• Displays the Waze screen. (P.26)



Displays the Audio screen. (P.78)



• Puts the unit in standby. (P.12)

 For sources and information displayed when an ADS adapter is connected, see **OEM** Features Operation (P.71).

- *2 DDX9018BTS only
- *3 DDX9905S/ DDX9705S/ DMX905S only
- *4 DDX9905S/ DDX9705S/ DDX9018BTS only

To select the playback source on the HOME screen



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

You can change the items displayed on this area by customizing the source selection screen. (P.13)

To select the playback source on the source control screen



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

Put the unit in standby

1 Press the **HOME** button.

➤ HOME screen appears.

2 Touch III.

3 Touch STANDBY.



Customize Short-cut buttons on HOME screen

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

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



Changes the page



Source control screen descriptions

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

Indicators



Short-cut buttons



Displays all sources.

2 Secondary screen

- **(**/**)**: The Secondary screen changes to another one every time you touch it. You can also change the Secondary screen by flicking left or right on the screen.
- Indicators: Displays the current source condition and so on.
 - ATT: The attenuator is active.
- **DUAL**: The dual zone function is active.
- **MUTE**: The mute function is active.
- LOUD: The loudness control function is active.
- Short-cut buttons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to Customize Shortcut buttons on HOME screen (P. 13).

3 Content list

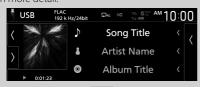
Displays the track/file/station/channel list.

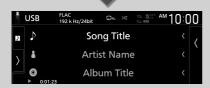


- Connected Bluetooth device information.
- Lights up during quick charging of the battery of the connected iPod/ iPhone/ Smartphone.

5 Artwork & information

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





6 Function panel

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

List screen

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



1

Displays the list type selection window.

2 1 📙

Displays a music/movie file list.

3 Text scroll

Scrolls the displayed text.

4 Play etc.

Keys with various functions are displayed here.

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



You can change pages to display more items by pressing ().

• 🔼 / 🔀 : Displays the top or bottom page.



Returns to the previous screen.

NOTE

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

Widget

Widget

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



Widget list

- · Mirroring Widget
- · Clock Widget
- · Spectrum analyzer Widget
- Tire Pressure Widget *1
- Rader Widget *1
- · Climate Widget *1
- Multi Widget *2 (Spectrum analyzer, Clock, Current source information)
- Photo Frame Widget *2
- *1 This can be selected when a compatible ADS adapter is connected.
- *2 DDX9905S only

Photo Frame Widget (DDX9905S)

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

Preparation

 Select "ON" for Photo Frame Widget. See Widget Setup (P.16).

Acceptable Picture files

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

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

■ Photo Frame

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



• Scroll the screen to display the hidden part.

Widget Setup

Set up the widgets on the Home screen.

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



- ➤ User Interface screen appears.
- 4 Touch Widget SETUP in the User Interface screen.
- 5 Set each item as follows.

■ Mirroring Widget

Determine whether to use the mirroring widget.

"ON" (Default)/ "OFF"

■ Photo Frame Widget (DDX9905S)

Determine whether to use the photo frame widget.

"ON" (Default)/ "OFF"

■ Photo Frame SETUP (DDX9905S)

Make settings related to display of the photo frame widget.

6 Touch 🔄

To Photo Frame Setup (DDX9905S)

Make settings related to display of the photo frame widget.

- 1 Touch **Photo Frame SETUP** on the Widget SETUP screen.
- 2 Set each item as follows.

■ Sort Order

Specify a file sorting criterion.
"By Name(Ascending)"/ "By
Name(Descending)"/ "By Date(Newest First)"
(Default)/ "By Date(Oldest First)"

■ Slide Show Interval

Specify the slideshow interval. "5" (Default) to "30" seconds

■ Photo Frame is · · · · ·

Display help topics about the photo frame.

3 Touch (1)

Disc (DDX9905S/ DDX9705S/ DDX9018BTS)

Playing a disc

Insert a disc

1 Press the **≜** button.



- 2 Touch DISC EJECT.
 - > The panel opens.
- 3 Insert the disc into the slot.



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

■ Eject a disc

- 1 Press the ≜ button.
- **2** Touch DISC EJECT.

 When removing a disc, pull it horizontally.
- **3** Press the **≜** button.

DVD/VCD Basic Operation

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

NOTE

- Set the remote control mode switch to DVD mode before starting operation for DVD and VCD, see Switch the operation mode (P.85).
- The screen shot below is for DVD. It may be different from the one for VCD.
- 1 When the operation buttons are not displayed on the screen, touch 7 area.

Control screen





Video screen



1 Information display area

Displays the following information.

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

- · Linear PCM, etc.: Audio format
- OFF/Zoom2 4 (DVD)/ Zoom2 (VCD): Displays the zoom ratio.
- **Hide**: Hides the control screen.
- D: Repeats the current content. Each time you touch the key, repeat modes are switched in the following sequence;

DVD: Title repeat ($\mathfrak{D}_{\mathsf{III}}$), Chapter repeat

(\bigcirc), Repeat off (\bigcirc)

VCD (PBC On): Does not repeat

VCD (PBC Off): Track repeat (), Repeat off

2 Function panel

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

- : Stops playback. Touching twice will play the disc from the beginning when you play it next time.
- Kast-forwards or fast-backward the disc. Each time you touch the key, the speed changes. 2 times, 10 times.
- CDVD only): Plays in slow motion forward or backward.
- **SETUP** (DVD only): Touch to display the DVD SETUP screen. See **DVD Setup (P.22)**.
- MENU CTRL (DVD only): Touch to display the DVD-VIDEO disc menu control screen. See DVD Disc Menu Operation (P.21).
- **PBC** (VCD only): Touch to turn Playback control (PBC) on or off.
- Audio (VCD only): Touch to change audio output channels.

3 Play mode indicator/ Playing time

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



4 Operation keys

- Idd ►►I: Searches for the previous/next content.
- Touch and hold to fast-forward or fastbackward the disc. (It will be cancelled automatically after about 50 seconds.)
- ►II : Plays or pauses.
- iii : Displays the Graphic Equalizer screen. (P.80)

5 Indicator Items

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

VCD

- 1chLL/2chLL: Identifies the left audio output of channel 1 or 2.
- 1chLR/2chLR: Identifies the monaural audio output of channel 1 or 2.
- 1chRR/2chRR: Identifies the right audio output of channel 1 or 2.
- 1chST/2chST: Identifies the stereo audio output of channel 1 or 2.
- LL: Identifies the left audio output.
- LR: Identifies the monaural audio output.
- RR: Identifies the right audio output.
- **ST**: Identifies the stereo audio output.
- PBC: The PBC function is on.
- VER1: The VCD version is 1.
- VER2: The VCD version is 2.

6 Searching area

Touch to search the for next/previous content.

7 Key display area

Touch to display the control screen.

8 MENU CTRL (DVD only)

Touch to display the DVD-VIDEO disc menu control screen. See **DVD Disc Menu Operation** (P.21).

NOTE

- The control screen disappears when no operation is done for 5 seconds.
- If you use a remote control, you can jump directly to the desired image by entering the chapter number, scene number, play time, etc. (P.85).

Music CD/ Disc media Basic Operation

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

NOTE

- Set the remote controller mode switch to AUD mode before starting operation for Music CD and audio files, see Switch the operation mode (P.85).
- In this manual, "Music CD" means a general CD which includes music tracks.

 "Dies modis" means a CD/DVD dies which.

 "Dies modis" means a CD/DVD dies which.
 - "Disc media" means a CD/DVD disc which includes audio or video files.
- The screen shot below is for disc media. It may be different from the one for CD.

Control screen



Open the drawer



Close the drawer



- 1 CODEC / 🗩 / 🗯
- When a high-resolution source is played, its format information is displayed. (Disc media only)
- ② : Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence;

- Track/ File repeat (), Folder repeat () (Disc media only), Repeat all ()
- Randomly plays all tracks in current folder/disc. Each time you touch the key, random mode switches in the following sequence;

Track random (🎮) (Music CD only), Folder random (🎮) (Disc media only), Random off (

2 Track information

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

3 Play mode indicator/ Playing time

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

4 Operation keys

- Q. (Disc media only): Searches files. For details on search operation, see *File search Operation (P.20)*.
- I◀◀ ▶▶I : Searches for the previous/next content.
- Touch and hold to fast-forward or fastbackward the disc. (It will be cancelled automatically after about 50 seconds.)
- ►II : Plays or pauses.
- iii : Displays the Graphic Equalizer screen. (P.80)

5 Content list

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

6 Artwork

- · Displays/hides artwork area.
- The jacket of the currently playing file is displayed. (Disc media only)

7 Function panel (Disc media only)

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

• Searches for the previous/next folder.

8 Indicator Items

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

Video screen



9 File search area (Video file only)

Touch to search for the next/previous file.

10 Key display area (Video file only)

Touch to display the control screen.

File search Operation (Disc media only)

You can search for a file according to hierarchy.

NOTE

- For operations in the list screen, see List screen (P.14).
- 1 Touch Q.
 - ➤ Folder List screen appears.
- 2 Touch the desired folder.



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

DVD Disc Menu Operation

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

1 Touch the framed area during playback.



- ➤ Menu Control screen appears.
- 2 Perform your desired operation as follows.



- To display the top menu Touch TOP.*
- To display the menu Touch MENU.*
- To display the previous menu Touch Return.*
- To enter selected item
 Touch Enter
- To enable direct operation
 Touch **Highlight** to enter the highlight control mode (*P.21*).
- To move the cursor Touch \blacktriangle , \blacktriangledown , \blacktriangleleft , \blacktriangleright .
- To switch among subtitle languages Touch **Subtitle**. Each time you touch this key, subtitle languages are switched.
- To switch among audio languages
 Touch **Audio**. Each time you touch this key,
 audio languages are switched.

■ To switch among picture angles

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

* These keys may not function depending on the disc.

Highlight control

Highlight control lets you control the DVD menu by touching the menu key directly on the screen.

- 1 Touch **Highlight** on the Menu Control screen.
- **2** Touch your desired item on the screen.



NOTE

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

DVD Setup

You can set up the DVD playback functions.

Touch the framed area during playback.



2 Touch on the left side of the screen. Touch **SETUP**.





- > DVD SETUP screen appears.
- 3 Set each function as follows.



Menu Language / Subtitle Language / Audio Language

See Language setup (P.22).

■ Dynamic Range Control

Sets the dynamic range.

Wide: The dynamic range is wide.

Normal: The dynamic range is normal.

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

■ Screen Ratio

Sets the screen display mode.

16:9 (Default): Displays wide pictures.

- **4:3 LB**: Displays wide pictures in the Letter Box format (having black stripes at the top and bottom of screen).
- **4:3 PS**: Displays wide pictures in the Pan & Scan format (showing pictures cut at the right and left ends).

Language setup

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

- 1 Touch the desired item;
 Menu Language, Subtitle Language,
 Audio Language.
 - ➤ Language Set screen appears.
- 2 Select a language.



For language codes, refer to **DVD Language Codes (P.101)**.

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

NOTE

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

APPS—Android Auto™/Apple CarPlay

Apple CarPlay Operation

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

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

Compatible iPhone devices

You can use CarPlay with the following iPhone models.

iPhone 7 Plus
iPhone 6 Plus
iPhone 5
iPhone 5S
iPhone 6s Plus
iPhone 5c
iPhone 6s
iPhone 5

Connecting an iPhone

1 Connect your iPhone using KCA-iP103 via the USB (Black) terminal. (P.95)

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

- 2 Unlock your iPhone.
- Switching the Current Source to the Apple CarPlay Source When Connecting Your iPhone

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

- 1 Connect iPhone using KCA-iP103 via USB (Black) terminal.
- 2 Unlock your iPhone.
- **3** Touch the connection message at the bottom of the screen.

The current source is connected to the CarPlay source.



The connection message is displayed for about 5 seconds.

NOTE

• If the message disappears, select the CarPlay source on the source selection screen. (P.12)

Operation buttons and available Apps on the home screen of CarPlay

You can use the Apps of the connected iPhone.

The items displayed and the language used on the screen differ among the connected devices.

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



- 1 0
- Displays the home screen of CarPlay.
- · Touch and hold to activate Siri.

2 Application buttons

Starts the application.

3 HOME

Exits the CarPlay screen and displays the Home screen.

To exit the CarPlay screen

1 Press the **HOME** button.

Use Siri

You can activate Siri.

1 Press the □■ button for 1 second.



2 Talk to Siri.

To deactivate

- 1 Press the □■ button.
- Switch to the Apple CarPlay screen while listening to another source
- 1 Press the □■ button.



NOTE

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

Android Auto™ Operation

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

Compatible Android devices

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

For Wi-Fi connection, Android 8.0 (Oreo) or later.

NOTE

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

Connect Android device

Wired connection

Connect an Android device via the USB terminal. (P.95)

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

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

- 2 Unlock your Android device.
- 3 Press the **HOME** button.
- **4** Touch **1**.
- 5 Touch Android Auto . (P.12)

Wireless connection (Except DDX9018BTS)

When the Android device is ready for wireless connection, connecting it via the USB registers Bluetooth and Wi-Fi automatically. Thus, the registered Android device will be able to be connected wirelessly to be used as an Android Auto source.

- 1 Press the HOME button.
- **2** Touch **.**
- 3 Touch Android Auto . (P.12)

NOTE

- Turn on the Bluetooth function and Wi-Fi function of Android device.
- If two or more Android devices have been registered, select the Android device to be used as the Android Auto source. (P.25)

Select an Android device (Except DDX9018BTS)

If two or more Android devices have been registered, select the Android device to be used as the Android Auto source.

- 1 Press the **HOME** button.
- **2** Touch **!**.
- 3 Touch Android Auto. (P.12)
- 4 Select an Android device.

The registered Android devices ready for wireless connection and the Android device connected via the USB are displayed.



Operation buttons and available Apps on the Android Auto screen

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

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

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



1 Application/information buttons

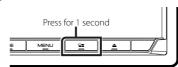
Starts the application or displays information.

To exit the Android Auto screen

1 Press the **HOME** button.

Using voice control

1 Press the == button for 1 second.



To cancel

- 1 Press the ⊒≣ button.
- Switch to the Android Auto screen while listening to another source
- 1 Press the □■ button.



NOTE

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

WebLink™/Waze Operation

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

Preparation

 Install the latest version of the WebLink application "WebLink for KENWOOD" on your iPhone or Android.

iPhone: Search for "WebLink for KENWOOD" in the Apple App Store to find and install the most current version.

Android: Search for "WebLink for KENWOOD" in Google play to find and install the most current version.

Available Apps

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

WebLink™

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

- Media player
- Waze
- Yelp
- YouTube
- Weather
- Next Radio (Except DDX9018BTS)

Waze

Waze is the world's largest community based traffic and navigation App. Join other drivers in your area who share real-time traffic and road info, saving everyone time and gas money on their daily commute.

 To use Waze on the unit, you need to install WebLink™ and Waze on your smartphone beforehand.

■ Connect a smartphone

- 1 Connecting a smartphone
 - Connect an Android device via the USB terminal. (P.95)
 - Connect your iPhone using KCA-iP103 via the USB (Black) terminal. (P.95)
 - When your smartphone is connected to a unit, a confirmation message to communicate each other appears on the smartphone. Touch Allow / OK to establish connection, or Ignore / Cancel to cancel the connection.
 - You can check the connection status on the WebLink™ screen on your smartphone.
- 2 Press the **HOME** button.
- **3** Touch **#**.
- 4 Touch WebLink or Waze. (P.12)

Operation buttons and available Apps on the App screen

WebLink source screen



1 ::

Displays the main menu of the "WebLink" source screen.



Returns to the previous screen.

- 1 Operate on your smartphone.
 - When you are asked to communicate between your smartphone and the unit, touch **Allow** to proceed.
- Switching to the App screen while listening to another source
- 1 Press the □■ button.

NOTE

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

Spotify Operation

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

To select the Spotify source, touch **Spotify** icon on the source selection screen. **(P.12)**

Preparation

- Install the latest version of the Spotify application "Spotify" on your iPhone or Android.
 iPhone: Search for "Spotify" in the Apple App Store to find and install the most current version.
 Android: Search for "Spotify" in Google play to find and install the most current version.
- iPhones are connected via either USB or Bluetooth
- · Android devices are connected via Bluetooth.
- To connect a smartphone via Bluetooth, register it as the Bluetooth device and do the App (SPP) profile setting for the connection beforehand.
 See Register the Bluetooth device (P.59) and Connect the Bluetooth device (P.60).



Close the drawer



- 1 Artwork
- · Displays/hides artwork area.
- Picture data is displayed if available from the current content.
- 2 Playing time
- · For confirmation of play time.

3 Operation keys

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

APPS—Android Auto™/Apple CarPlay

- . K , D : Skips the current song.
- Plays or pauses the content of the current station.
- Saves the currently being played song to My Music.
- iii : Displays the Graphic Equalizer screen. (P.80)

4 Content information

Displays the information on the current content being played.

- 5 1 / 6 / 9 / *
- IThumbs down to the current contents and skip to the next content.
- Registers the current content as a favorite content.
- Repeats the current song.
- Randomly plays all songs in the current playlist.

Selecting a track

- 1 Touch **=** .
 - ➤ Menu screen appears.
- 2 Select the list type, then select a desired item.



■ To select the category and station

Touch the category and station name in the list.

■ Top

Returns to the top of the list.

■ Tup

Returns to the previous list.

About Spotify®

Note

- Ensure you are logged in to your smartphone application. If you do not have an Spotify account, you can create one for free from your smartphone or at www.spotify.com.
- Because Spotify is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Spotify cannot be operated from this unit.
- For issues on using the application, contact Spotify at www.spotify.com.
- · Establish an Internet connection.

Pandora® Operation

You can listen to Pandora® on this unit by controlling the application installed in the iPhone or Bluetooth device.

To select the Pandora source, touch the **Pandora** icon on the source selection screen. **(P.12)**

Preparation

 Install the latest version of the Pandora® application on your iPhone, Android or BlackBerry. iPhone: Search for "Pandora" in the Apple App Store to find and install the most current version. Android: Visit the Google play and search for Pandora to install.

BlackBerry: Visit www.pandora.com from the built in browser to download the Pandora application.

- iPhones are connected via either USB or Bluetooth.
- Android or BlackBerry devices are connected via Bluetooth.
- To connect a smartphone via Bluetooth, register it as the Bluetooth device and do the App (SPP) profile setting for the connection beforehand.
 See Register the Bluetooth device (P.59) and Connect the Bluetooth device (P.60).



1 Artwork

Picture data is displayed if available from the current content.

2 Playing time

For confirmation of play time.

3 Operation keys

- : Searches for a station. For details on searching, see **Station list screen (P.29)**.
- II (Thumbs down): Thumbs down to the current contents and skips to the next contents.
- (Thumbs up): Registers the current content as a favorite content.
- ► , **II** : Plays or pauses the content of the current station.

- ►►I: Skips the current song.
 (Note that this function is disabled when the Pandora skip limitation is exceeded.)
- : Creates a new station. See **Creates a** new station (**P.30**).
- iiii : Displays the Graphic Equalizer screen. (P.80)

4 Content information

Displays the information on the current content being played.

■ Station list screen

You can perform the following functions from this screen.

1 Touch 📜 .

Station List screen appears.



■ To select the station

Touch the station name in the list.

■ To sort the list by registered date Touch **By Recent**. The list is sorted to begin with the last registered station.

■ To sort the list in alphabetical order Touch **By Name**. You can select the desired letter from the list which corresponds to the station name to help narrow the search range.

NOTE

 You can operate Pandora by using the remote control function. However, you can perform only play, pause, and skip operations.

Creates a new station

- 1 Touch + .
- 2 Touch your desired item.



■ Create station from artist

Creates a new station based on the artist who is playing now.

■ Create station from track

Creates a new station based on the song being played.

■ Create station from genre

Displays the genre list screen.

Genre list screen

1 Touch Create station from genre.



2 The selected genre is created as a new station.



About Pandora®

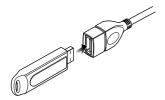
NOTE

- In the application on your device, log in and create an account with Pandora.
 (If you are not already a registered user, an account can also be created at www.pandora. com.)
- Establish an Internet connection.
- Pandora is only available in certain countries.
 Please visit http://www.pandora.com/legal for more information.
- Because Pandora® is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Pandora® cannot be operated from this unit.
- For issues on using the application, please contact Pandora® at pandora-support@pandora. com.

USB

Connecting a USB device

Connect the USB device with the USB cable. (P.94)



- 2 Press the HOME button.
- 3 Touch
- 4 Touch USB. (P.12)

Disconnect the USB device

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

Usable USB device

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

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

About the file system

The file system should be the one of the following.

• FAT16 • FAT32 • exFAT • NTFS

NOTE

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

USB Basic Operation

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

NOTE

 Set the remote controller mode switch to AUD mode before starting operation, see Switch the operation mode (P.85).

Control screen



Open the drawer



Close the drawer



1 CODEC / D / 🗯

- When a high-resolution source is played, its format information is displayed.
- ② : 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 (○)

2 Track information

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

3 Play mode indicator/ Playing time

 ▶, ▶▶, etc.: Current play mode indicator Meanings of individual icons are as follows:
 ▶ (play), ▶▶ (fast forward), ◄◄ (fast

backward), **II** (pause).

• For confirmation of current playing position. You can drag the circle left or right to change the playing position. (Video file only)

0.0123 0 0.45.27

4 Operation keys

- Q: Searches track/file. For details on search operation, see **Search Operation (P.33)**.
- I → I : Searches the previous/next track/ file.

Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)

- ►II : Plays or pauses.
- iii : Displays the Graphic Equalizer screen. (P.80)

5 Content list

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

6 Artwork

- · Displays/hides artwork area.
- The jacket of the currently playing file is displayed.

7 Function 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.

USB DEVICE CHANGE:

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

8 Indicator Items

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

Video screen



9 File search area (Video file only)

Touch to search for the next/previous file.

[10] Key display area (Video file only)

Touch to display the control screen.

Search Operation

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

- 1 Touch Q.
- 2 Touch ▼.



3 Select a list type.



NOTE

• For operations on the list screen, see *List screen* (P.14).

Category search

You can search for a file by selecting a category.

- 1 Touch Category List.
- 2 Select whether you search audio files or video files .
- 3 Touch the desired category.



- ➤ The list corresponding to your selection appears.
- 4 Touch to select the desired item in the list. Repeat this step until you find the desired file.

Link search

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

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



- ➤ The list corresponding to your selection appears.
- 3 Touch the desired item in the content list.

Folder search

You can search for a file according to hierarchy.

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



When you touch a folder its contents are displayed.

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

iPod/iPhone

Preparation

■ Connectable iPod/iPhone

The following models can be connected to this unit.

Made for

- iPhone 7 Plus
- iPhone 5s
- iPhone 7
- iPhone 5c
- · iPhone SF
- iPhone 5
- iPhone 6s Plus
- iPod touch (6th generation)
- iPhone 6siPhone 6 Plus
- iPod touch (5th generation)

• iPhone 6

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

■ Connect iPod/iPhone

Wired connection

Preparation

- Connect an iPod/iPhone with the KCA-iP103 (optional accessory) while CarPlay is not connected.
- With a CarPlay-capable iPhone, turn off CarPlay by operating the iPhone at functional setup before connecting iPhone. For details of the setup method, contact the manufacturer of the terminal
- Plug the iPod/iPhone into the gray USB terminal with the KCA-iP103 (optional accessory).
- · Only one iPod/iPhone can be connected.
- 1 Connect the iPod/iPhone using the KCAiP103. (P.95)
- 2 Press the **HOME** button.
- 3 Touch III.
- 4 Touch iPod. (P.12)
- To disconnect the iPod/iPhone connected with the cable:
- 1 Detach the iPod/iPhone.

Bluetooth connection

Pair the iPhone through Bluetooth.

Preparation

- To connect an iPhone via Bluetooth, register it as a Bluetooth device and do the profile setting for the connection beforehand. See Register the Bluetooth device (P.59) and Connect the Bluetooth device (P.60).
- Connect an iPhone via Bluetooth while CarPlay and an iPod/iPhone are not connected via USB.

iPod/iPhone Basic Operation

NOTE

 Set the remote controller mode switch to AUD mode before starting operation, see Switch the operation mode (P.85).

Control screen



Open the drawer



Close the drawer



1 Track information

- Displays the information on the current file.
- Touch to display the category list screen. See *Category search (P.36)*.

2 Artwork

- · Displays/hides artwork area.
- The jacket of the currently being played file is displayed.

3 Play mode indicator/ Playing time

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

4 Operation keys

- Q : Searches for a track/file. For details on search operation, see **Search Operation** (P.36).
- I : Searches for the previous/next track/file.

Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)

- ►II : Plays or pauses.
- iii : Displays the Graphic Equalizer screen. (P.80)

5 Content list

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

6 Q / ×

- ②: Repeats the current track/album. Each time you touch the key, repeat modes are switched in the following sequence:
 Song repeat (②), All songs repeat (②), Repeat off (②)
- Is and omly plays all tracks in the current album. Each time you touch the key, random modes are switched in the following sequence: Song random (), Random off ()

7 Indicator Items

MUSIC: Identifies the music file.

Search Operation

You can search music files by the following operations.

- 1 Touch Q.
- **2** Touch **▼**.



3 Select a list type.

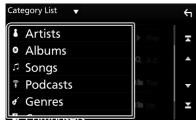


NOTE • For operations on the list screen, see *List screen*(P.14).

Category search

You can search for a file by selecting a category.

- 1 Touch Category List.
- 2 Touch the desired category.



- ➤ The list corresponding to your selection appears.
- 3 Touch to select the desired item in the list. Repeat this step until you find the desired file.

Link search

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

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



- ➤ The list corresponding to your selection appears.
- **3** Touch the desired item in the content list.

Radio (DDX9018BTS)

Radio Basic Operation

Most functions can be controlled from the source control screen.

To listen to the Radio source, touch **Radio** icon on the source selection screen. (*P.12*)

NOTE

 Set the remote control mode switch to AUD mode before starting operation, see Switch the operation mode (P.85).

Control screen



Open the drawer



Close the drawer



1 Information display

Displays the information on the current station: Frequency

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

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

Preset#: Preset number

2 Seek mode

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

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

3 Operation keys

- Id ►► : Tunes in a station. The method of switching frequencies can be changed (see 2 Seek mode).
- iii : Displays the Graphic Equalizer screen. (P.80)

4 Preset list

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

5 Band buttons

Switches bands (between FM and AM).

6 Function panel

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

- **TI** (FM only): Selects the traffic information mode. For details, see *Traffic Information* (*P.39*).
- AME: Presets stations automatically. For details, see Auto memory (P.38).
- PTY (FM only): Searches for a program by program type. For details, see Search by program type (P.39).
- **MONO** (FM only) : Selects the Monaural reception mode.

7 Indicator Items

- ST: A stereo broadcast is being received.
- **MONO**: The forced monaural function is active.
- TI: Indicates the reception state of traffic information.

White: TP is being received.

Orange: TP is not being received.

Memory Operation

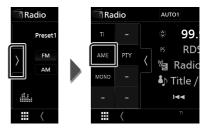
Auto memory

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

1 Touch desired band key.



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



3 Touch Yes.



➤ Auto memory starts.

Manual memory

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

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

Selecting Operation

Preset select

You can list and select memorized stations.

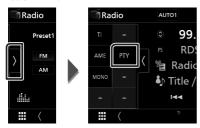
1 Touch 4 on the right side of the screen. Select a station from the list.



Search by program type (FM only)

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

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



- ➤ TUNER PTY Mode screen appears.
- 2 Select a program type from the list.
- 3 Touch Search.

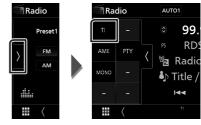


You can search for the station broadcasting the selected type of program.

Traffic Information (FM only)

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

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



> Traffic information mode is set.

When the traffic bulletin starts

The Traffic Information screen appears automatically.



NOTE

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

HD Radio[™] Tuner (DDX9905S/ DDX9705S/ DMX905S)

HD Radio Tuner Basic Operation

Most functions can be controlled from the source control screen.

To listen to the HD Radio source, touch **HD** Radio icon on the source selection screen. (P.12)

NOTE

- Set the remote control mode switch to AUD mode before starting operation, see **Switch the operation mode (P.85)**.
- HD Radio broadcasting is for North American sales area only.
- The screen shot below is for tuner. It may be different from the one for HD Radio broadcasting.

Control screen



Open the drawer



Close the drawer



1 Information display

Displays the information on the current station: Frequency and Channel

Touching allows you to switch between Content A, Content B and Content C.
Content A: Station name, Song Title, Artist Name Content B: Station Message, Radio Text
Content C: PTY Genre, Album Name

2 Seek mode

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

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

3 Picture

- · Displays/hides picture area.
- The picture data or station Logo data is displayed if available from current content.

4 Function panel

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

- 10key Direct: Display the direct station/ channel search screen. For details, see Direct search (P.43).
- **AME**: Presets stations automatically. For details, see *Auto memory (P.42)*.
- **RCV**: Change the HD Radio reception mode. For details, see **Receive Mode (P.42)**.
- PTY (FM only): Searches for a program by program type. For details, see Search by program type (P.43).
- Stores the information about the song being received. See **Bookmark (P.44)**.
- **Emergency Alerts**: Turn on or off the alert message. See *Alert Message (P.45)*.
- Alert Message Log: Displays the alert message received. See Alert Message (P.45).

5 Operation keys

- Id ►► : Tunes in a station. The method of switching frequencies can be changed (see 2 Seek mode).
- CH▼ CH▲ : Selects a channel.
- Q: Display the Channel List screen. See **Channel search (P.43)**.
- Display a list of registered bookmarks. See **Bookmark list (P.44)**.
- iii : Displays the Graphic Equalizer screen.

6 Preset list

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

7 Indicator display

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

8 Band buttons

Switches bands (between FM and AM).

9 Indicator Items

- MC: A multicast digital broadcast is being received.
- ANALOG: An analog broadcast is being received.
- **DIGITAL**: A digital broadcast is being received.
- **ST**: A stereo broadcast is being received.
- EA:

White: Emergency Alert is on.
No light: Emergency Alert is off.
Orange: Interrupting or in space/igr

Orange: Interrupting or in snooze/ignore state.



HD2/HD3

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

Bookmark

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

Digital Sound

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

Program Info

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

Artist Experience

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

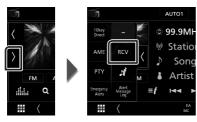
Emergency Alerts

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

Receive Mode

You can set the radio broadcasts receive mode.

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



2 Select a receive mode.



Auto

Switch between digital and analog audio automatically.

■ Digital

Select this to tune to digital audio only.

■ Analog

Select this to tune to analog audio only.

Memory Operation

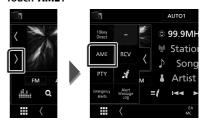
Auto memory

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

1 Touch desired band key.



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



3 Touch Yes.



➤ Auto memory starts.

■ Manual memory

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

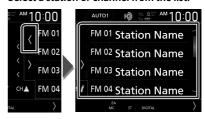
- 1 Select the station or channel you wish to store in the memory.
- 2 Touch FM# (#:1-15) or AM# (#:1-5) in which you want to store the station or channel for 2 seconds until a beep sounds.

Selecting Operation

■ Preset select

You can list and select memorized stations or channels.

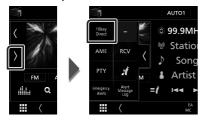
1 Touch Con the right side of the screen.
Select a station or channel from the list.



Direct search

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

1 Touch on the left side of the screen. Touch 10key Direct.



2 Select the search method.



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



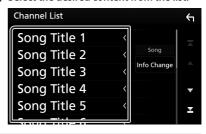
Channel search

You can specify the desired channel.

1 Touch Q.



2 Select the desired content from the list.



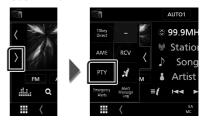
NOTE

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

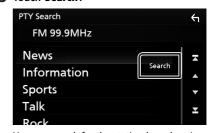
Search by program type (FM only)

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

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



- ➤ TUNER PTY Mode screen appears.
- 2 Select a program type from the list.
- 3 Touch Search.



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

Bookmark

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

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

Bookmark registration

1 Touch on the left side of the screen.
Touch





> Registers a bookmark.

NOTE • Up to 100 bookmarks can be registered to this

■ Bookmark list

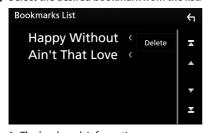
Displaying a list of registered bookmarks and detailed information and QR code of the song.

1 Touch **≡/**.

unit.



2 Select the desired bookmark from the list.



➤ The bookmark information appears.



■ Delete

Deletes the bookmarks being displayed.

Bookmark delete

Deleting a bookmark.

1 Touch Delete.



2 Select the bookmark to delete from the list.



■ ☑ AII

Select all bookmarks.

Frases all check marks.

- 3 Touch Delete.
 - ➤ Confirmation message appears.
- 4 Touch Yes.
 - ➤ Deletes all the selected bookmark(s).

Alert Message

This function is to receive alert messages. First, you need to turn on the "Emergency Alerts". (P.40)

■ When an Alert Message comes



Snooze

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

Ignore

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

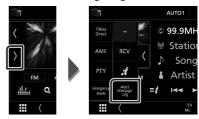
Allow Alert

Touch to tune to that channel of HD Radio source.

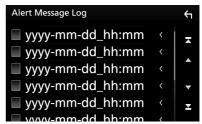
Display of the received Alert Message

You can read the received alert message afterward.

1 Touch on the left side of the screen.
Touch Alert Message Log.



2 Select the desired Alert Message from the list.



➤ The Alert Message appears.



3 Touch Close.

SiriusXM® (DDX9905S/ DDX9705S/ DMX905S)

SiriusXM® Basic Operation

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

To listen to the SiriusXM source, touch the **SiriusXM** icon on the source selection screen. (P.12)

Activating subscription

· Check your Radio ID.

The SiriusXM Satellite Radio ID is required for activation and can be found by tuning in Channel 0 as well as on the label found on the SiriusXM Connect tuner and its package.

The Radio ID does not include the letters I, O, S or F.

- Activate the SiriusXM Connect Vehicle Tuner using either one of the two methods below:
 - For users in U.S.A.
 Online: Visit www.siriusxm.com/activatenow
 Phone: Call SiriusXM Listener Care at 1-866-
 - 635-2349 - For users in Canada: Online: Visit http://www.siriusxm.ca/help/

activation-help/ Phone: Call XM customer Care at 1-877-438-9677

NOTE

- Set the remote control mode switch to AUD mode before starting operation, see **Switch the** operation mode (P.85).
- To use SiriusXM® Satellite Radio, the optional accessory is necessary.

Control screen



Open the drawer



Close the drawer



1 Information display

Displays the information on the current channel: Channel Name

P#: Preset number

#CH: Channel number

Logo: Channel logo

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

Content A: Artist Name, Song Title

Content B: Content Info, Category Name

Content C: Channel Description, Similar Channels

:Touch for 2 seconds to register the artist of the current song as a Content Alert.

: Touch for 2 seconds to register the current song as a Content Alert.

For details, see Content Alerts (P.51).

2 Band button

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

3 Artwork

- · Displays/hides artwork area.
- Displays the album artwork for most SiriusXM music channels

4 Operation keys

- Q: Display the Category search screen. For details on search operation, see Category/ Channel search (P.49).
- ►II : Plays or pauses. See Replay (P.49).
- CH▼ CH▲ : Selects a channel.
- iii : Displays the Graphic Equalizer screen. (P.80)

5 Preset list

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

6 Indicator display

7 Function panel

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

- Direct Channel: Touch and enter the desired number. For details, see Direct search (P.48).
- **SETUP**: Touch to display the SiriusXM SETUP screen. For details, see *SiriusXM Setup* (*P.52*).
- Replay / Live: Touch to turn on or off the replay mode. See Replay (P.49).
- Traffic & Weather For SXV300 *1

Traffic & Weather Now™ allows you to access the latest report whenever you want to hear it. Select your city from the set up menu **Select a City for Traffic & Weather (P.57)** and press the **Traffic & Weather** button to check the latest report. It will start from the beginning.

- White): Played already.
- (Green): New information has
- Playing.
- (Gray): No information.

For SXV200 or SXV100 *2

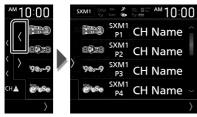
Turns the Traffic & Weather Jump function on or off.

- (White): Function on.
- (Purple) : Playing.
- (Gray): Function off.
- TuneScan *3: Allows you to hear a few seconds of songs from each of the SmartFavorite music channels on the current preset band. See TuneScan™ (P.50).
- TuneMix*⁴: When turned ON, shuffles the preset channels on P1-P6 to play a blend of songs from your favorite channels. See TuneMix™ (P.50).
- SportsFlash *4 :Displays during SportsFlash™.
 Touch to cancel the SportsFlash™ function and return to the previous channel. See
 SportsFlash™ (P.52) and SportsFlash™ setup (P.56).
- *1 Compatible with SXV300 or later tuner models. It may take a few minutes after power on to get the first full report on your city. Traffic channels are not available in Canada.
- *2 When SXV200 or SXV100 is connected with this unit.
- *3 Compatible with SXV200 or later tuner models.
- *4 Compatible with SXV300 or later tuner models.

Storing Channels in Preset Memory

You can store the current channel in memory.

- 1 Tune in the channel you wish to store in the memory.
- **2** Touch (on the right side of the screen.



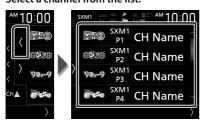
3 Touch SXM(1-4) P(1-6) in which you want to store the channel for 2 seconds until a beep sounds.

Preset select

You can list and select memorized channels.

To select from the preset list

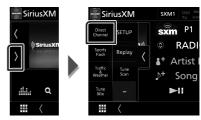
1 Touch C on the right side of the screen.
Select a channel from the list.



Direct search

You can tune in a channel directly.

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



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



NOTE

· To clear the number you entered, touch BS.

Category/Channel search

You can specify the desired category and select a channel.

1 Touch Q.



2 Select a category.



- ➤ Channel list appears.
- 3 Select the desired content from the list.



NOTE

- · All channels in the selected category appear.
- $\bullet \ \, \text{Touching} \ \, \textbf{All-Channels} \ \, \text{displays all channels}.$
- Touch **Info Change** in the channel list. Select a desired item.
 Content info, channel name, artist name, song
- title, category name
 Categories which have the prefix "Featured -" are
- Categories which have the prefix Featured are Featured Favorites.
 Featured Favorites are groups of channels that
- Featured Favorites are groups of channels that are created by the SiriusXM Programming department allowing you to discover new channels. Featured Favorite channels are dynamic and can change often, allowing you to discover new channels.
 - You can set whether to be notified when the featured seasonal theme is updated. (P.57)

Replay

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

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



Press to skip to the previous/next track.

Press and hold to rewind or fast forward. (It will be cancelled automatically after about 50 seconds.)

■ ►II

Plays or pauses.

■ Replay time bar/ Play mode indicator Displays the recorded data capacity and

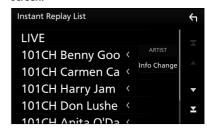
playback position.

ightharpoonup, etc.: Current play mode indicator

■ Q

Displays a list of recorded data on a program basis

2 Touch Q to display an Instant Replay List screen.



■ Instant Replay List

Touching this plays back the displayed program.

LIVE: Touch to return to the live music/content.

■ Info Change

Touch **Info Change**. Select a desired item. Content info, channel name, artist name, song title, category name

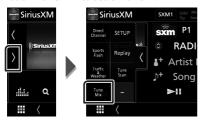
To return to live music/content

- 1 Touch the left side of the screen.
- 2 Touch Live.

TuneMix™

TuneMix™ plays a unique blend of songs from your Preset music channels of the current SiriusXM Preset Band, allowing you to build a custom channel from as few as two to as many as 6 music channels. You can even skip songs you don't want to hear.

1 Touch on the left side of the screen. Touch **TuneMix** to set ON or OFF.



NOTE

· Compatible with SXV300 or later tuner models.

SmartFavorites, TuneStart™

Preset channels 1 through 6 of the current band are SmartFavorites channels.

The Sirius XM Vehicle Tuner automatically buffers the broadcast audio content of the SmartFavorites channels in the background.

You can rewind and replay up to 30 minutes of any of the missed news, talk, sports or music content on SmartFavorites channels. (see *Replay (P.49)*)

When tuning in a SmartFavorites channel, songs will be played from the beginning of each track (TuneStart™). You can enable/disable TuneStart. (see *TuneStart™ (P.57*))

NOTE

· Compatible with SXV200 or later tuner models.

TuneScan™

TuneScan™ is a feature that plays samples from the starts of multiple buffered songs from each of the SmartFavorites channels that predominantly play music selections.

You have easy access to a large sampling of music content and can enjoy hearing a full song by stopping the scan on a song of interest.

1 Touch on the left side of the screen.



2 Touch TuneScan to begin scanning your SmartFavorites channels.

You will hear a few seconds of the songs from each of the SmartFavorite channels.

While your favorite song is being played, touch TuneScan again to start listening to that song.



➤ Scan finishes and the song is played continuously.

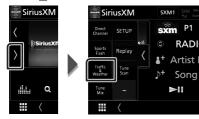
NOTE

- To cancel TuneScan[™], touch the left side of the screen. Touch **TuneScan**.
- Touch and hold **TuneScan** to cancel TuneScan, and the music/content which was present on the channel before starting TuneScan will be played.
- · Compatible with SXV200 or later tuner models.

Traffic & Weather Now™

Traffic & Weather Now™ allows you to access the latest report whenever you want to hear it. Select your city in the set up menu **Select a City for Traffic & Weather (P.57)**.

1 Touch on the left side of the screen.



2 Touch Traffic & Weather.

The report starts from the beginning. To stop and return to the previous channel, touch it again.

Indicator display

- White) : Played already.
- (Green): New information arrived.
- (Purple): Playing.
- (Gray): No information.

NOTE

· Compatible with SXV300 or later tuner models.

Content Alerts

When a broadcast program related to the registered artist, song or team starts, an Alert Content List screen appears to allow you to switch the current channel to the relevant channel.

 When the broadcast of the registered content starts, an Alert Content List screen appears.



2 Select a content from the list.

NOTE

- Touch Info Change. Select a desired item.
 Artist Alert, Song Alert, GameAlert™
- To learn how to register artists and songs for the Content Alert function, see 1 Information display in *SiriusXM® Basic Operation (P.46)*.
- To learn how to set up the Content Alerts function and select Teams for alerts, see Content Alerts setup (P.54).

SportsFlash™

SportsFlash™ will notify you when a big play happens during a game with one of your favorite sports teams. Choose to tune in and hear the play unfold like it was live. Continue listening to the game or return to your previous channel.

1 When a big play happens during one of the games, an Alert screen appears.



■ Jump

Touch to tune in that channel and play back the big play.

■ Ignore

Touch to cancel this specific SportsFlash alert. Touching **Ignore** will ignore this specific alert but will allow future alerts for this game.

■ Cancel

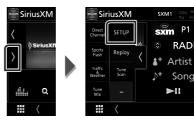
Touch to cancel SportsFlash alert. No alerts for this game will be displayed afterward.

NOTE

- · Compatible with SXV300 or later tuner models.
- To learn how to set up the SportsFlash alert function, see SportsFlash™ setup (P.56).

SiriusXM Setup

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



- SiriusXM SETUP screen appears.
 See the following sections for each setting.
- Set up the parental code (P.53)
- Set up the Parental Control (P.53)
- Set up the skip channel select (P.54)
- Set up the Content Alerts (P.54)
- Set up the teams for SportsFlash™
 (P.56)
- Select the city for Traffic & Weather Jump or Traffic & Weather Now™ (P.57)
- Select the Featured Bands Update Messages (P.57)
- Set up the TuneStart[™] (P.57)
- Reset to the default settings (P.57)

Parental code

You can set a SiriusXM parental code for Parental Control.

- Touch Parental Code on the SiriusXM SETUP screen.
 - ➤ Parental Pass Check screen appears.

NOTE

- The code number is set to "0000" as default
- 2 Enter the current code number and touch



- ➤ Parental Pass 1st screen appears.
- 3 Enter the new code number and touch **Enter**.



- ➤ Parental Pass 2nd screen appears.
- 4 Enter the same code number as that you entered in step 3 and touch **Enter**.
 - ➤ The code number is confirmed and the SiriusXM parental code is now set.

Parental Control

Parental Control is a feature that provides the user with the ability to prevent unauthorized access to mature content and user selected channels.

- 1 Touch Parental Control on the SiriusXM SETUP screen.
- 2 Touch Mature, User or OFF.

■ OFF

Deactivates the parental mature and user locks.

■ Mature

Locks channels classified as "mature" only.

■ Hear

Locks only the selected channels.

3 Enter the parental code you originally input in as stated in *Parental code* (P.53) and touch Enter.

When selecting User

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

- 1 Touch Parental Lock Channel Selection on the Sirius XM SETUP screen.
 - ➤ Parental Pass Check screen appears.

NOTE

- You need to set up a parental code beforehand as stated in **Parental code** (P.53).
- 2 Enter the parental code you originally input as stated in *Parental code (P.53)* and touch **Enter**
 - ➤ Parental Lock Category Select screen appears.
- **3** Touch the desired category in the list.



➤ Displays all channels in the selected category.

NOTE

- · Touch All-Channels to display all channels.
- To delete the parental lock channel setting, touch **Disable All** and then touch **YES** on the confirmation screen.
- 4 Touch each channel on the list and set to ON or OFF.

ON: Locks the channel. **OFF**: Unlocks the channel.



NOTE

Touch Info Change. Select a desired item.
 Content information, Channel name, Artist name,
 Song title, Category name.

Skip channel select

You can set the undesired channels to skip.

- 1 Touch Skip Channel Select.
 - ➤ Skip Category Select screen appears.
- 2 Touch the desired category from the list.



 Displays all channels in the selected category. 3 Touch each channel in the list and set to ON or OFF.



NOTE

- To delete the skip channel setting, touch
 Disable All and then touch YES on the
 confirmation screen.
- Touch **Info Change**. Select a desired item. Content information, Channel name, Artist name, Song title, Category name.
- Direct Channel and Preset Memory functions allow you to select channels.

Content Alerts setup

Activating content alert

- Touch Content Alerts on the SiriusXM SETUP screen.
 - Content Alerts is turned on or off. Default is "ON".

Selecting the content for Content Alerts

- 1 Touch Content Alerts Contents Set on the Sirius XM SETUP screen.
- **2** Select the content you want to set up.



NOTE

- To cancel all alert contents, touch **Clear** and then touch **YES** on the confirmation screen.
- Select **OFF** for the content you want to deactivate the content alert for.

3 Touch each content list item you want to check or uncheck.



NOTE • You can select (☑) up to 60 artists or songs.

- To delete the Artist and Song
- 1 Touch Delete.



2 Touch the content(s) in the list you want to select.



- ☑ All
 Selects all contents
- □ All Clears all check marks.
- 3 Touch Delete and then touch YES on the confirmation screen.

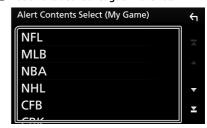
To select a Team

Get alerted when your favorite sports team is playing on another SiriusXM channel with GameAlert™

1 Touch My Games.



2 Touch the desired league in the list.



3 Touch the team(s) in the list you want to select.





SportsFlash™ setup

Activating SportsFlash

- 1 Touch SportsFlash on the SiriusXM SETUP screen.
 - ➤ SportsFlash is turned on or off. Default is "ON".

Selecting SportsFlash Beep

- 1 Touch SportsFlash Beep on the SiriusXM SETUP screen.
 - ➤ SportsFlash Beep is turned on or off. Default is "ON".

Selecting the teams for SportsFlash

- 1 Touch SportsFlash Team Set on the SiriusXM SETUP screen.
 - ➤ Team Set screen appears.
- 2 Touch Edit.



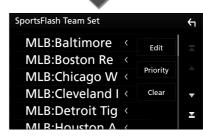
3 Touch the desired league in the list.



4 Touch each team(s) in the list you want to select.



5 Touch 숙 twice.



■ Edit

Sets and removes teams.

■ Priority

Sets the priority of a team.

■ Clear

Removes all teams that have been set. Touch **Clear**. When the confirmation screen appears, touch **YES**.



Set the SportsFlash™ Team Priority

1 Touch Priority.



2 Set the priority of a team.

Each time you touch a Team, the priority is set of reset.



3 Touch Done.



NOTE

- Priority can be set on up to 5 teams.
- When priority has already been set for 5 teams, it cannot be set for any other team. Delete an unnecessary team.

Select a City for Traffic & Weather

You can select a city for which you wish to receive SiriusXM Traffic & Weather broadcasts and hear them from the beginning.

- 1 Touch Traffic & Weather City Select on the SiriusXM SETUP screen.
- 2 Touch ◀ and ▶ to select a city.



Selecting Featured Bands Update Messages

You can set whether to be notified when the featured seasonal theme is updated.

Touch Featured Bands Update
 Messages on the SiriusXM SETUP screen.
 Featured Bands Update Messages is turned on or off.

■ TuneStart™

1 Touch **Tune Start** on the SiriusXM SETUP screen.

The TuneStart is turned on or off. Default is "ON".

Reset

- Touch SiriusXM Reset on the SiriusXM SETUP screen.
 - ➤ Confirmation screen appears.
- 2 Touch YES.
 - ➤ All SiriusXM settings are reset to defaults.

Bluetooth Control

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

Information for using Bluetooth® devices



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

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

NOTE

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

About the cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version

Bluetooth Ver. 4.1

Profiles

Cell-phone:

HFP (V1.7) (Hands Free Profile) SPP (Serial Port Profile) PBAP (Phonebook Access Profile)

Audio player:

A2DP (Advanced Audio Distribution Profile) AVRCP (V1.6) (Audio/Video Remote Control Profile)

Sound codec

SBC. AAC

NOTE

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

Register the Bluetooth device

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

You can register up to 10 Bluetooth devices.

NOTE

- Up to 10 Bluetooth devices can be registered. If an attempt is made to register the 11th Bluetooth device, the Bluetooth device connected on the earliest date will be deleted to register the 11th
- · This unit is compatible with the Apple Easy Pairing function. When an iPod touch or iPhone is connected to this unit, an authentication dialog appears. Performing operation for authentication on this unit or iOS smartphone registers the smartphone as a Bluetooth device.
- 1 Search for the unit ("DDX****"/ "DMX****") from your smartphone/cellphone.

Complete steps 1 to 4 within 30 seconds.

- 2 Operate your smartphone/cell-phone according to the displayed messages.
 - Confirm the request both on the smartphone/cell-phone.



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

PIN Code is set to "0000" as the default.



3 Select the function you want to use.



■ HFP Hands Free1 / Hands Free2 / No. Connection.

Select the hands-free number to connect.

■ A2DP/SPP Audio/App

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

■ PBAP Phonebook DL

Select if you want to transfer your phonebook data.

4 Touch Yes.

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

Bluetooth Setup

- 1 Press the MENU button.
 - > Popup menu appears.
- 2 Touch SETUP.



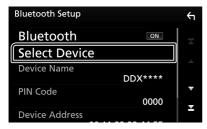
- > SETUP Menu screen appears.
- 3 Touch Bluetooth.



- ➤ Bluetooth SETUP screen appears. See the following section for each settina.
- · Connect the Bluetooth device (P.60)
- · Change the PIN Code (P.61)
- Change the device name (P.61)

■ Connect the Bluetooth device

1 Touch Select Device on the Bluetooth SETUP screen.



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



➤ Profile select screen appears.

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

3 Set each profile as follows.



■ TEL (HFP) 1, TEL (HFP) 2

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

■ Audio (A2DP)/App (SPP)

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

4 Touch Close.

To delete the registered Bluetooth device

1 Touch Delete.



2 Touch the device name to check.



Selects all Bluetooth devices.

■ □ AII

Clears all check marks

- 3 Touch Delete.
 - ➤ Confirmation message appears.
- 4 Touch Yes.

Change the PIN Code

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



4 Touch SET.

Change the device name

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



4 Touch Enter.

Playing the Bluetooth Audio Device

Most function can be controlled from the source control screen.

To select Bluetooth source, touch **Bluetooth** icon on the source selection screen. (P.12)

Bluetooth basic operation

Control screen



- 1 0 / * *
- Repeats the current track/folder, Each time you touch the key, repeat modes are switched in the following sequence: File repeat (), Folder repeat (), All songs repeat (🕶), Repeat off (🗭)
- Randomly plays all tracks in the current folder. Each time you touch the key, random modes are switched in the following sequence: Folder random (ズ →), All random (ズ →), Random off (24)

2 Information display *

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

3 Operation keys *

- Q : Searches for a file. See File search (P.63).
- Idd ▶►I: Searches for the previous/next content.

Touch and hold to fast forward or fast backward. (It will be cancelled automatically after about 50 seconds.)

- ►: Plavs.
- II: Pauses.
- Displays the Bluetooth SETUP screen.
- III : Displays the Graphic Equalizer screen. (P.80)

4 Play mode indicator/ Playing time

▶, II: Current play mode indicator

Meanings of individual icons are as follows:

- ► (play), ►► (fast forward), ◄◄ (fast backward), (pause), (stop).
- 5 Artwork

Displays/hides artwork area.

6 KENWOOD Music Mix

Bluetooth audio devices can be switched easily to play music. See **KENWOOD Music Mix** (P.62).

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

NOTE

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

■ KENWOOD Music Mix

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

- 1 Touch
 - ➤ A list of registered devices is displayed.
- 2 Touch of device name you want to connect.
 - Touching displays the Bluetooth device connection setup screen. (P.60)
 - Touching on the left of the connected device device disconnects this device.



- 🞵 : Device used normally.
- 📺 : Device used for KENWOOD MusicMix
- 3 Touch (white) on the left of the name of the device to be played.
 - (white) changes to (purple) and starts playback.



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

NOTE

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

File search

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



When you touch a folder its contents are displayed.

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

NOTE

· For operations in the list screen, see List screen (P.14).

Using the Hands-Free Unit

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

NOTE

- · If you use the hands-free function frequently, move the TEL short-cut button (icon) to the Home screen. (P.13)
- While Apple CarPlay or Android Auto is connected, the Bluetooth Hands-Free function and two Bluetooth devices connections cannot be used. Only the Apple CarPlay or Android Auto Hands-Free function can be used.

Make a call

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



➤ Hands Free screen appears.

NOTE

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

4 Select a dialing method.



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

• Select the cell-phone to use

When you connect two cell-phones

- 1) Touch Device name 1 Device name 2 to select the phone you want to use.
- Bluetooth SETUP
- 1) Touch . Bluetooth SETUP screen appears.
- Voice Recognition
- 1) Touch 1 . (P.65)

NOTE

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

Call using call records

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



Call by entering a phone number

- 1 Touch 12 .
- **2** Enter a phone number with number keys.



3 Touch .

Call using the preset number

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



Call using the phonebook

- 1 Touch
- 2 Touch Q A-Z
- 3 Select the initial.



- · Characters with no corresponding name will not appear.
- · A first character with an accent character such as "ü" can be searched for with a non-accent character "u". A character with an accent character in a sentence cannot be searched for.
- 4 Select the person you want to call from the list.



5 Select the phone number from the list.



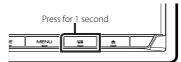
NOTE

• You can sort the phone numbers in the list by last name or first name. For details, see Hands-Free Setup (P.68).

Voice Recognition

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

1 Press the == button for 1 second.



- ➤ Voice Recognition screen appears.
- 2 Start speaking.

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

Receive a call

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



NOTE

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

To end call

1 While talking, touch .

Operations during a call



• Adjust the volume of your voice

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



Adjust the receiver volume

Press the ▼ or ▲ button.



Mute your voice

Touch to mute or not to mute your voice.

Output the dial tone

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

Switching between speaking voice output destinations

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 \times to close the Hands-Free popup screen.

To display it again

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

■ Phone number preset

You can register frequently used phone numbers in this unit.

- 1 Touch 🛣 .
- 2 Touch Edit.



3 Select where to preset.



■ Delete all

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

4 Select how to preset.



■ Add number from phonebook

Select the number to preset from the phonebook. See *Call using the phonebook (P.65)*.

■ Add number direct

Enter the telephone number directly and touch **SET**. See *Call by entering a phone number (P.64)*.

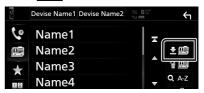
■ Delete

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

■ Phonebook transfer

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

- 1 Touch
- 2 Touch <u>■</u>



➤ Phonebook data transfer starts.

NOTE

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

Phonebook deletion

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



■ ☑ AII

Checks all boxes.

Clears all check marks.

- 3 Touch Delete.
 - ➤ Confirmation message appears.
- 4 Touch OK.

Hands-Free Setup

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

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.



- ➤ SETUP Menu screen appears.
- 3 Touch Bluetooth.



- ➤ Bluetooth SETUP screen appears.
- 4 Touch TEL SETUP.
 - ➤ TEL SETUP screen appears.
- 5 Set each function as follows.



■ Bluetooth HF/Audio

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

Front: Outputs sound from the front speakers.

All (Default): Outputs sound from all speakers.

■ Auto Response*

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

- **OFF** (Default): Turns off the Automatic response function.
- 1/5/10/15/20/25/30: Sets the ringing time (second).

Auto Pairing

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

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

■ Sort Order

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

First: Sorts data by the first name.

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

■ Echo Cancel Level

Adjust the level of echo cancellation. Default is "0".

■ Noise Reduction Level

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

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

6 Touch OK.



Other External Components

View Camera

NOTE

- · To connect a camera, see P.94.
- To use a rear view camera, a REVERSE lead connection is required. (P.93)
- If Rear Camera Interruption is active the camera screen is displayed when you shift the gear to the reverse (R) position.

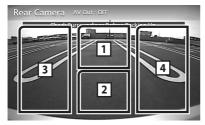
■ Display the camera screen

- 1 Press the MENU button.
 - > Popup menu appears.
- 2 Touch Camera.



- View camera screen appears.
- 3 Adjust each item as follows.

To erase the caution message, touch the screen.



1 Switching the View Camera *1

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

2 Camera off

Touch to exit the camera screen.

3 Switching the Guideline *2

Touching each time turns on or off the guideline.

4 Switching the Angle *2

Touching each time changes camera angles:

- *1 When the front camera or dashboard camera, and rear camera are connected with this unit
- *2 When CMOS-3xx series is connected with this unit.

Camera Setup

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.
 - ➤ SETUP Menu screen appears.
- 3 Touch Camera.



- Camera screen appears.
- 4 Set each item as follows.

■ Rear Camera Interruption

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

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

■ Rear Camera Settings *1

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

■ Parking Guidelines

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

Default is "ON".

■ Guidelines SETUP

If you select **ON** for **Parking Guidelines**, you can adjust the parking guidelines. See **To** adjust the parking guidelines (**P.70**).

■ Front Camera

ON: Select this when the front camera is connected.

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

Other External Components

■ Front Camera Settings * 1

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

■ Front Camera Interruption *2

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

OFF: Cancel.

- *1 When CMOS-3xx series is connected with this unit.
- *2 When CMOS-3xx series or front camera is connected with this unit

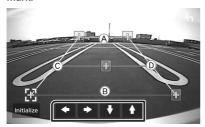
To adjust the parking guidelines

NOTE

- Install the rear view camera in the appropriate position according to the instruction manual supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to apply the parking brake to prevent the car from moving.
- 1 Touch ON of Parking Guidelines in the Camera screen. (P.69)
- 2 Touch **Guidelines SETUP** on the Camera screen.
- 3 Adjust the parking guidelines by selecting the mark.



4 Adjusting the position of the selected mark.



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

NOTE

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

Use Dashboard Camera

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

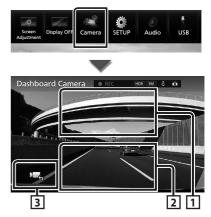
For details, see the instruction manual of the Dashboard Camera DRV-N520 (optional accessory).

NOTE

To connect a dashboard camera, see P.95.

■ Display the dashboard camera screen

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Camera.



1 Switching the View Camera

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

2 Camera off

Touch to exit the camera screen.

Other External Components

3 Key display

Touch to display the dashboard camera control buttons.

External audio/video players (AV-IN)

- Connect an external component to the AV-IN input terminal. (P.94)
- 2 Select AV-IN as the source. (P.12)
- 3 Turn on the connected component and start playing the source.

OEM Features Operation

By connecting this unit to the bus system of the vehicle using an iDataLink (commercially available), this unit can access the satellite radio source provided for the vehicle and can display vehicle information on this unit.

- 1 Press the HOME button.
 - ➤ HOME screen appears.
- 2 Touch an the HOME screen.
- 3 Touch icon.





• Displays the control screen of the satellite radio source provided for the vehicle.



 Displays the control screen of the media player source provided for the vehicle.



 Displays the control screen of the Bluetooth Hands Free function provided for the vehicle.



• Displays the control screen of the Bluetooth streaming source provided for the vehicle.



• Displays information about the instruments such as a speedometer.



 Displays information about the air conditioner of the vehicle. *



 Displays information about the Parking Distance Sensor of the vehicle.



Displays information about the tire pressures of the vehicle. *



 Displays information about the Radar Detector. *

NOTE

 Displayable screens, button names, and screen names vary depending on the type of the connected iDataLink and the model of the vehicle. For more details, access the following IIRI:

www.idatalink.com/

^{*}These ADS adapter features are displayed as the widget on the Home screen. (P.10) You can display the relevant screens by touching the widget.

Setup

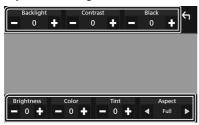
Monitor Screen Setup

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

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Screen Adjustment.



- > Screen Control screen appears.
- 3 Adjust each setting as follows.



■ Backlight / Contrast / Black / Brightness / Color / Tint

Adjust each setting.

Aspect

Select a screen mode.

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

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

Auto:

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

LISB device: Displays video fully (vertically)

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

NOTE

• Settings to adjust vary depending on the current source.

System Setup

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.





See the following section for each setting.

- Set up AV (P.77)
- Set up display (P.75)
- Set up the user interface (P.73)
- Set up camera (P.69)
- Set up special (P.74)
- · Set up Bluetooth (P.59)
- · Set up security (P.8)

User Interface Setup

You can setup user interface parameters.

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



- User Interface screen appears.
- 4 Set each parameter as follows.

■ Steering Remote Controller (DDX9018BTS)

Sets the desired function in the steering remote controller. See *Learning function of steering remote (P.73)*.

■ Beep

(DDX9705S/ DDX9018BTS/ DMX905S)

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

■ Beep Volume (DDX9905S)

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

■ Widget SETUP

Set up the widget displayed on the Home screen. **(P.16)**

■ Parking Assist Display

When an ADS adapter is connected, you can display information about obstacles around the car.

ON: Always displays information.

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

OFF: Cancels this function. This can be set when the iDataLink (commercially available) is connected.

■ Parking Assist Position

Select where to display information about obstacles on the screen (left or right).

"Left"/ "Right" (Default)

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

■ Language Select

Select a language.

■ Time Format

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

■ Clock

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

Manual: Set the clock manually.

■ Time Zone

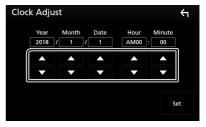
Select the time zone.

■ Clock Adjust

If you select **Manual** for Clock, adjust the date and time manually. **(P.73)**

Adjust the date and time manually.

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



7 Touch Set.

Learning function of steering remote (DDX9018BTS)

This function is available only when your vehicle is equipped with the electrical steering remote controller.

If your steering remote controller is not compliant, learning may not be completed and error message may appear.

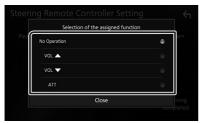
- 1 Touch Steering Remote Controller in the User Interface screen.
 - > Steering Remote Controller Setting screen appears. English | 73

2 Press and hold the steering remote controller button

NOTE

 You can have the unit learned all buttons at a time. In that case, press the all buttons one at a time and after pressing all of them, touch Learning completed in Steering Remote Controller Setting screen. However, new functions cannot be learned after this operation.

3 Touch the function you want to set.



4 Repeat steps 2 and 3 as necessary.



5 Touch Learning completed.

NOTE

- When changing the function already learned, press and hold the button you want to change in step 2 and then touch to select the changed function from the function list.
- Confirm the contents of the settable function on the function list. You cannot edit the function list.
- To initialize the contents, touch Learning initialisation of Steering Remote Controller in User Interface screen. After you touch Initialise, a confirmation message appears. Follow the message and complete the operation.

Special Setup

You can setup special parameters.

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



- ➤ Special screen appears.
- 4 Set each parameter as follows.

■ DEMO

Select the demonstration mode. Default is "ON".

■ Software Information

Confirm the software version of this unit. **(P.74)**

■ Open Source Licenses

Display the open source licenses.

■ Initialize

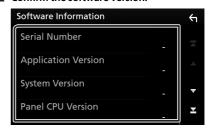
Touch **Initialize** and then touch **Yes** to set all the settings to the initial default settings.

· Audio SETUP Memory is not initialized.

■ Software Information

You can confirm the software version of this unit.

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



NOTE

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

Display Setup

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch SETUP.
 - > SETUP screen appears.
- 3 Touch Display.



- ➤ Display screen appears.
- 4 Set each parameter as follows.

■ Dimmer

Select the dimmer mode.

OFF: Does not dim the display and buttons.

ON: Dims the display and buttons.

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

OSD Clock

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

"ON" (Default)/ "OFF"

Kev Color

You can set the button illumination color. (P.75)

■ Wallpaper Customize

You can change the wallpaper image or color. **(P.76)**

■ Viewing Angle

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

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

■ Screen transition effect

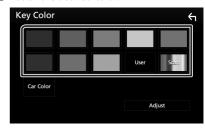
Select whether to use the screen transition effect when the source control screen is switched to the Home screen.

"ON" (Default)/ "OFF"

Customizing the key color

You can set the button illumination color.

- 1 Touch **Key Color** on the Display screen.
- 2 Touch the desired color.



User

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

■ Scan

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

■ Car Color

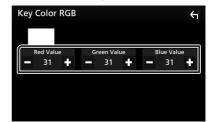
This can be selected when a compatible ADS adapter is connected.

3 Touch 🔄

To register an original color

You can register your original color.

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



4 Touch 4

Change the wallpaper image or color

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



- *1 The album art currently being displayed is used as a wallpaper.
- *2 Select a wallpaper color in advance.
- *3 Select an original image in advance.

To select wallpaper color

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



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

3 Touch 🔄

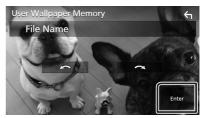
To register an original image

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

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



3 Touch Enter.



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

NOTE

- Touching **a** rotates the image counterclockwise.
- Touching \(\oldsymbol{\text{N}} \) rotates the image clockwise.
- Picture files: JPEG (jpg, .jpeg), PNG (.png), BMP (.bmp)

AV Setup

You can set AV parameters.

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



- > AV screen appears.
- 4 Set each parameter as follows.

■ Android Auto Device Select (DDX9905S/ DDX9705S/ DMX905S)

Select the device to be used in the Android Auto mode. **(P.25)**

■ AV-OUT

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

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

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

■ Driving Position

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

■ OEM SETUP

Confirm the information about or change the settings for using the ADS adapter.

Controlling Audio

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

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Audio.



See the following section for each setting.

- Set up speaker/ X'over (P.78)
- Controlling equalizer (P.80)
- Set listening position/ DTA (P.83)

Volume Offset Zone Control Sound Effect

- Controlling general audio (Fader / Balance) (P.79)
- Set volume offset (P.81)
- Performing zone control (P.81)
- Set sound effect (P.82)
- Memory/recall the audio settings (P.84)

Speaker/ X'over setup

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Audio.
 - ➤ Audio screen appears.
- 3 Touch Speaker/X'over.



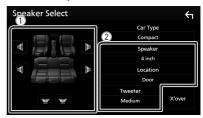
4 Select a car type.

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

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



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



■ Speaker

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

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

■ Location (Only for Front, Rear)

Select the speaker position you have installed.

■ Tweeter (Only for Front)

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

None, Small, Medium, Large

■ X'over

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

For details, see **Crossover network setup** (P.79)

Crossover network setup

You can set the crossover frequency of speakers.

1 Touch X'over.



2 Touch the speaker to set up.



3 Set each parameter as follows.



■ HPF FREQ

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

■ LPF FREQ

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

■ Slope *1

Set a crossover slope.

■ Gain

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

■ TW Gain *2

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

■ Phase Inversion *3

Set the phase of subwoofer output.

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

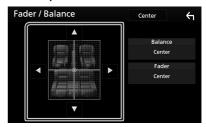
- *1 Only when "LPF FREQ"/"HPF FREQ" is set to a mode other than "Through" in **X'over**.
- *2 Only when "Tweeter" is set to "Small", "Medium", "Large" in **Speaker Setup**.
- *3 Only when "Subwoofer" is set to a mode other than "None" in **Speaker Setup**.

Controlling General Audio

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



4 Set each parameter as follows.



■ Fader / Balance

Adjust the volume balance around the touched area.

- **◄** and **►** adjust the right and left volume balance.
- ▲ and ▼ adjust the front and rear volume balance.

■ Center

Clear the adjustment.

Equalizer Control

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

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



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



■ Gain level (area in dotted frame)

Adjust the gain level by touching each frequency bar.

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

■ Preset Select

Display the screen for selecting the preset equalizer curve. **(P.80)**

■ Memory

Saves the adjusted equalizer curve as "User1" to "User4". (P.80)

■ Initialize

Initialize (flatten) the current EO curve.

ALL SRC

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

OK on the confirmation screen.

■ Bass EXT (Bass Extend Settings)

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

SW Level

Adjust the subwoofer volume. This setting is not available when Subwoofer is set to "None". See **Speaker/X'over setup (P.78)**.

■ Recall the EQ curve

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



NOTE

• iPod is available only for the iPod source.

Save the EQ curve

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



Volume Offset

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

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



4 Touch + or — to adjust the level.



■ Initialize

Returns to the initial settings.

NOTE

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

Zone Control

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

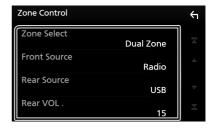
- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Audio.
 - ➤ Audio screen appears.
- 3 Touch Zone Control.



- > Zone Control screen appears.
- 4 Touch Zone Select.
- 5 Touch Dual Zone.



6 Set each source as follows.



■ Zone Select

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

■ Front Source Rear Source

Select an audio source for each.

■ Rear VOL.

Adjust the rear source volume.

Controlling Audio

NOTE

- When the rear speaker sound is switched, the audio source that is output at the AV OUTPUT terminal is also switched to the same source.
- When the dual zone function is set to on, the following functions are not available.
 - Output from the subwoofer
 - Subwoofer Level/ Bass Boost (P.82)
 - Equalizer Control/ Sound Effect/ Listening Position (P.80, 82, 83)
 - Speaker Setup (P.78)
 - High-resolution Sound Source File Playback
- You cannot select iPod if it is connected via Bluetooth.
- If you select USB, iPod, Disc, Spotify, Pandora or Bluetooth audio as the Front Source, you cannot select USB or iPod as the Rear Source.
- If you select Mirroring (WebLink/ Waze), Apple CarPlay or Android Auto as the Front Source, you cannot select DISC (Music CD/ Disc media), USB or iPod as the Rear Source.

Sound Effect

You can set sound effects.

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



4 Set each parameter as follows.



■ Bass Boost

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

■ Loudness

Set the amount of boost of low and high tones.

"OFF", "Low", "High"

■ Drive Equalizer

Reduces the driving noise by raising the bandwidth.

"OFF", "ON"

■ Space Enhancer

Select the feeling of sound space enhancement.

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

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

■ Supreme

Turn ON/OFF the Supreme function.

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

■ Realizer

Virtually make the sound more realistic using the Digital Signal Processor (DSP) system.
Select the level from "OFF"/"1"/"2"/"3".

■ Stage EQ

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

Listening Position/DTA

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

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

- 1 Press the MENU button.
 - ➤ Popup menu appears.
- 2 Touch Audio.
 - ➤ Audio screen appears.
- 3 Touch Position/DTA.



- · Set up Listening Position (P.83)
- Set up Front Focus (P.83)

Listening Position

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

- 1 Touch **Listening Position** on the Position/DTA screen.
- 2 Select a listening position from Front R (Right front), Front L (Left front), Front All (All front), and All.



Position DTA control

You can fine-adjust your listening position.

- 1 Touch Adjust.
- 2 Touch Delay.

3 Touch **◄** or **▶** to adjust the delay time of the selected speaker.



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



NOTE

• To initialize the Delay and Level settings, touch **Initialize** and **YES** on the confirmation screen.

Front Focus

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

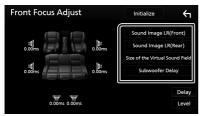
- 1 Touch Front Focus in the Position/DTA screen.
- **2** Select a front focus position.

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



Front Focus fine adjustment

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



■ Sound Image LR (Front)

Focus the sound image on the front of front seats

■ Sound Image LR (Rear)

Focus the sound image on the front of rear seats.

■ Size of the Virtual Sound Field

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

■ Subwoofer Delay

Adjust the delay time of subwoofer sound.

- 4 Touch Level.
- 5 Touch ✓ or ► to adjust the sound level of the selected speaker.



NOTE

• To initialize the Delay and Level settings, touch **Initialize** and **YES** on the confirmation screen.

Audio Setup memory

Audio Control settings can be memorized.

The memorized settings can be recalled at any time

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



■ SETUP Memory

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

■ Audio SETUP Memory

Memorize the current audio settings.

 Fader/ Balance, Speaker / X'over, Equalizer (User Preset, SW Level), Position/DTA, Sound Effect (P.78)

Audio SETUP Recall

Recall the memorized audio setting.

■ Audio SETUP Clear

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

Remote control

This unit can be operated using the remote control.

For DDX9018BTS, the remote control is supplied with the unit.

For DDX9905S, DDX9705S, and DMX905S the remote control is the optional accessory (KNA-RCDV331).

A CAUTION

- Put the remote control in a place where it will not move during braking or other operations.
 A dangerous situation could result, if the remote control falls down and gets wedged under the pedals while driving.
- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not recharge, short, break up or heat the battery or place it in an open fire. Such actions may cause the battery to leak fluid. If spilled fluid comes in contact with your eyes or on clothing, immediately rinse with water and consult a physician.
- Place the battery out of reach of children. In the unlikely event that a child swallows the battery, immediately consult a physician.

Battery Installation

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

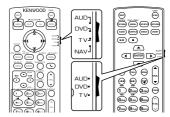
1 Insert two "AAA"/"R03"-size batteries with the ⊕ and ⊝ poles aligned properly, following the illustration inside the case.



Functions of the Remote control Buttons

■ Switch the operation mode

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



AUD mode

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

■ DVD mode

Switch to this mode when playing a disc media including DVD, VCD, and CD.

■ NAV mode/TV mode

Not used.

NOTE

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

■ Direct search mode

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

NOTE

- This operation cannot be performed for the USB device and iPod.
- 1 Press the #BS / DIRECT button several times until the desired content appears.

The available contents are different depending on the source type.

DVD

Title number/Chapter number

Remote control

■ VCD 1.X and 2.X (PBC OFF)

Track number

■ VCD 2.X (PBC ON)

Scene number/Track number

■ Music CD

Track number

■ HD Radio tuner

Frequency value/Channel number

■ SiriusXM

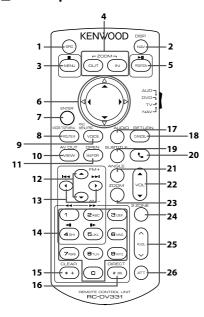
Channel number

- 2 Enter the number of the content you want to play using the numeric keypad.
- 3 For DVD or VCD, music CD, press the **ENTER** button.

For radio, press the \triangleleft or \triangleright / $\mid \triangleleft \triangleleft$ or $\triangleright \triangleright$ button.

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

Basic Operation



	1—	SRC DISP V.SEL	-2	
9.	8—	MODE FNC/PBC TOPMENU MENU DIO SETUP RETURN	-18	
19-	17—	AUDIO SUBTITLE ANGLE ZOOM	-23	- 21
15	5 — 3 —	PII A		- 21
	6—	ENTER DVD.		
	7— 12—		-11	
	13—	(AM-) (FM+) (OPEN) VOL	-22	
	14—	1 (2 agc) (3 ogc) 4 (11 11 12 12 12 12 12 12	-24 -25	- 20
	15—	CLEAR DIRECT ATT	-26	
	16 —	KENWOOD	J	

	Key Name		Mode switch	Function
1	SRC	SRC	AUD, DVD	Switches to the source to be played. In hands-free mode, hangs up the phone.
2	NAV	V.SEL	-	Switches the screen between the current source and the WebLink screen from the connected iPhone/Android.
3	MENU		DVD	Stops playing and memorizes the last point where the disc stopped. The last point is deleted by pressing twice.
4	OUT, IN	-	-	Not used.
5	POSITION >II AUD, DVD		AUD, DVD	Pauses the track or file, and resumes playing by pressing twice. For the radio and HD Radio sources in AUD mode, switches the seek mode.
6	6 Cursor Key		DVD	Moves the cursor in the DVD menu.

	Key Name		Mode switch	Function
7	ENTER	ENTER	-	Performs the selected function.
8	8 ROUTE M TOP MENU		AUD	Screen mode changes each time you press this key during video playback.
			DVD	Returns to the DVD top menu.
9	VOICE	MENU	AUD	Displays the control screen of current source. (USB, iPod, DISC)
			DVD	Displays the DVD menu. Turns the playback control on or off while playing VCD.
10	VIEW	-	AUD, DVD	Switches the AV source to be output.
11	MAP DIR	OPEN	AUD, DVD	Switches the display angle each time it is pressed. (DDX9905S/DDX9705S/DDX9018BTS only)
12	▲/▼	FM+/AM-	AUD, DVD	Selects the folder to be played. For the radio and HD Radio sources in AUD mode, selects FM/ AM band to be received. For the SiriusXM source in AUD mode, selects the band to be received. For the DVD/VCD source in DVD mode, selects the title to be played.
13	4/▶		AUD, DVD	Selects the track or file to be played. For the radio, HD Radio, and SiriusXM sources in AUD mode, switches to broadcast stations received by the unit. For the DVD/VCD source in DVD mode, selects the chapter/scene/track to be played.
14	14 Numeric Keypad AUD DVD		AUD	Allows you to enter the number to search in the direct search mode. For details on the direct search mode, see Direct search mode (P.85) .
			DVD	Press 1 2 to fast forward/backward. Press 4 5 to slow forward/backward. Switches the slow playback speed each time you press this key.* *DVD only
15	* +	CLEAR	DVD	For the DVD/VCD source, deletes a character while in direct search mode.
16	# BS	DIRECT	AUD, DVD	Switches to the direct search mode. For details on the direct search mode, see <i>Direct search mode (P.85)</i> .
17	AUDIO	AUDIO	DVD	Switches the voice language each time you press this key.
18	CANCEL	RETURN	DVD	Displays previous screen.
19	SUBTITLE	SUBTITLE	DVD	Switches the subtitle language.
20	e.	(C)	-	When a call comes in, answers the call.
21	ANGLE	ANGLE	DVD	Switches the picture angle each time you press this key.
22	VOL ▲▼	VOL ▲▼	_	Adjusts the volume.
23	ZOOM	ZOOM	DVD	Switches the zoom ratio (2, 3, 4, Off) each time you press this key.
24	2 ZONE	2 ZONE	AUD, DVD	Switches the Dual Zone function on and off.
25	R.VOL	R.VOL –		Adjusts volume at rear when the Dual Zone function is on.
26	ATT	ATT	-	Lowers the volume when pressed once. Restores the previous volume when pressed twice.

Connection/Installation

Before Installation

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

▲ WARNINGS

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

A CAUTION

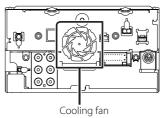
 Install this unit in the console of your vehicle.
 Do not touch the metal part of this unit during and shortly after the use of the unit. Metal part such as the heat sink and enclosure become hot.

NOTE

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

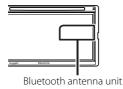
- ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the

 wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊕ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- This unit has the cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit is blocked. Blocking these openings will inhibit the cooling of the internal temperature and result in malfunction.

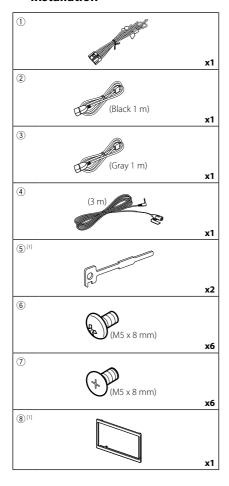


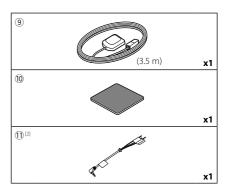
Connection/Installation

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



Supplied accessories for installation





 $^{\scriptscriptstyle{[1]}}$ DDX9905S/ DDX9018BTS/ DMX905S only

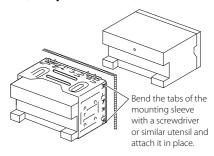
^[2] DDX9018BTS only

Installation procedure

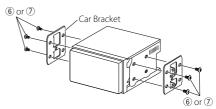
- To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ terminal of the battery.
- 2) Make the proper input and output wire connections for each unit.
- 3) Connect the speaker wires of the wiring harness.
- 4) Connect the wiring harness wires in the following order; ground, battery, ignition.
- 5) Connect the wiring harness connector to the unit.
- 6) Install the unit in your car.
- 7) Reconnect the \bigcirc terminal of the battery.
- 8) Perform the Initial Setup. See *Initial setup (P.7)*.

Installing the unit

Non-Japanese cars (Except DDX9705S)



Japanese cars

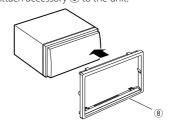


NOTE

 Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (eg, the sound may skip).

■ Trim plate (Except DDX9705S)

1) Attach accessory (8) to the unit.

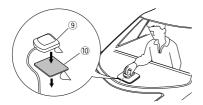


GPS antenna

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

To mount the GPS antenna inside your vehicle:

- 1) Clean your dashboard or other surface.
- 2) Remove the separator of the metal plate (accessory (10)).
- Press the metal plate (accessory ®) down firmly on your dashboard or other mounting surface. You can bend the metal plate (accessory ®) to conform to a curved surface, if necessary.
- 4) Remove the separator of the GPS antenna (accessory ③), and stick the antenna to the metal plate (accessory ⑩).

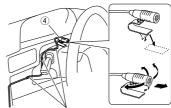


NOTE

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

■ Microphone unit

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

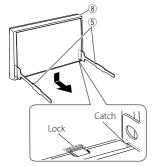


Fix a cable with a commercial item of tape.

Removing the trim plate (Except DDX9705S)

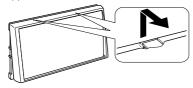
1) Engage the catch pins on the extraction key (accessory (§)) and remove the two locks on the lower level.

Lower the trim plate (accessory ®) and pull it forward as shown in the figure.



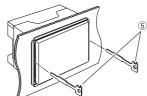
NOTE

- The trim plate can be removed from the top side in the same manner.
- 2) When the lower level is removed, remove the upper two locations.

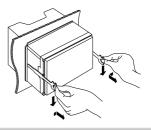


Removing the unit (Except DDX9705S)

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

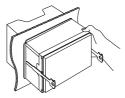


 Lower the extraction key toward the bottom, and pull out the unit halfway while pressing towards the inside.



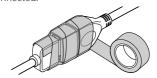
NOTE

- Be careful to avoid injury from the catch pins on the extraction key.
- 4) Pull the unit all the way out with your hands, being careful not to drop it.



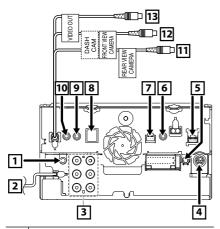
Securing the USB extension cable

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

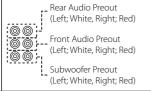


Connecting wires to terminals Fuse (15A) White Speaker impedance: 4-8 Ω To front left speaker White/Black Grav To front right speaker @°@ Gray/Black \odot Green To rear left speaker Green/Black Connect to the vehicle's Accessory (1) parking brake detection switch Purple Light Green **PRK SW** (Parking sensor wire) To rear right speaker (2 m)Purple/Black For best safety, be sure to connect the parking sensor. If no connections are made, do not let the cable come out from the tab. Blue/White Ignition key switch (Power control wire) P. CONT () ⇔(() Red When using the optional power amplifier, (Ignition wire) connect to its power control terminal. (Max. 200mA, 12V) Yellow (Battery wire) Light Blue/Yellow (Steering remote control wire) Car fuse box REMOTE CONT STEERING WHEEL REMOTE INPUT Black (Ground wire) To steering remote (To car chassis) To use the steering wheel remote control feature, you need an exclusive remote adapter (not supplied) matched to your car. Green/White Orange/White CAM-Green/Red (Dimmer control wire) CAM+ ILLUMI To car light control switch To CMOS-3xx series (Optional Accessory) camera control terminal (Antenna control wire) ANT CONT Purple/White Depending on what antenna you are using, (Reverse sensor wire) (2 m) connect either to the control terminal of the motor antenna, or to the power terminal for REVERSE the booster amplifier of the film-type antenna. Connect to vehicle's reverse lamp harness when (Max. 300mA, 12V) using the optional rear view camera.

Connecting the system and external components



- AV Audio output (ø3.5 mini jack)
- FM/AM antenna input
- When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.



- SiriusXM Connect Vehicle Tuner connector (DDX9905S/ DDX9705S/ DMX905S only)
 For more information on how to install the SiriusXM Connect Vehicle tuner, consult the installation guide included with the tuner.
- 5 iDatalink connector
- 6 AV-IN (CA-C3AV; Optional Accessory) input
- Dashboard camera interface
 Connect a Dashboard Camera DRV-N520
 (optional accessory). (P.95)
- Accessory 9: GPS Antenna



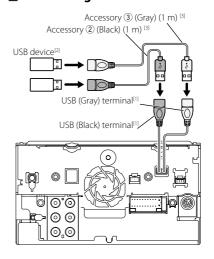
Accessory 4: Bluetooth Microphone

- Accessory ①: Steering remote harness (DDX9018BTS only)
 Connect to vehicle's steering remote harness.
 Contact your KENWOOD dealer for details.

 11 Rear view camera input (Yellow)
 12 Front view camera/ Dashboard camera input (Yellow)
- Connecting a USB device

Visual Output (Yellow)

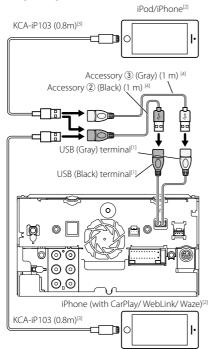
13



- ^[1] USB maximum power supply current : DC 5 V == 1.5 A
- [2] Sold separately / Use CA-U1EX to extend the cable if necessary. (Max 500 mA, 5V)
- [3] See Securing the USB extension cable (P.92).

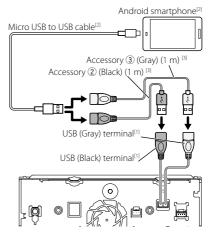
■ Connecting an iPod/iPhone

Lightning connector



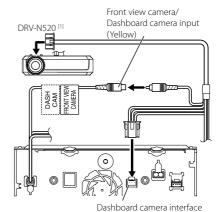
- [1] USB maximum power supply current: DC 5 V === 1.5 A
- [2] Sold separately
- [3] Optional accessory
- [4] See Securing the USB extension cable (P.92).

Connecting an Android smartphone



- [1] USB maximum power supply current: DC 5 V === 1.5 A
- [2] Sold separately
- [3] See Securing the USB extension cable (P.92).

Connecting a Dashboard camera



[1] Optional accessory

Troubleshooting

Problems and Solutions

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

NOTE

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

About settings

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

Subwoofer is not set to on.

Set the subwoofer to on. See Speaker/ X'over setup (P.78).

The dual zone function is enabled.

- Set the dual zone function to off. See Zone Control (P.81).
- Cannot select the output destination of the subsource in the dual zone.
- Cannot adjust the volume of the rear speakers.

The dual zone function is disabled.

- ➤ Set the dual zone function to on. See **Zone Control** (P.81).
- · Cannot set up the equalizer.
- · Cannot set up the crossover network.

The dual zone function is enabled.

 Set the dual zone function to off. See Zone Control (P.81).

About audio operations

Radio reception is poor.

The car antenna is not extended.

> Pull out the antenna all the way.

The antenna control wire is not connected.

 Connect the wire correctly. See Connecting the system and external components (P.94).

Cannot select a folder.

The random play function is enabled.

➤ Turn off the random function.

Cannot perform repeat play during VCD playback.

The PBC function is enabled.

> Turn off the PBC function.

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

The disc is quite dirty.

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

The disc is severely scratched.

> Try another disc instead.

The sound skips when an audio file is being played.

The disc is scratched or dirty.

> Clean the disc. See **Precautions on handling discs**(P4)

The recording condition is bad.

> Record the file again or use another disc.



The Touch Sensor Tone doesn't sound.

The preout jack is being used.

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

Error Messages

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

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

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

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

Hot Error

When the internal temperature of this unit rises to 60°C or more, the protection circuit is activated and you may not be able to operate the unit.

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

Mecha Error

The disc player is malfunctioning.

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

Disc Error

An unplayable disc is inserted.

 Change the disc. See Playable Media and Files (P.98).

Read Error

The disc is quite dirty.

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

Disc is upside down.

> Load the disc with the labeled side up.

Region Code Error

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

 See Region Codes in the World (P.100) or try another disc.

Error 07-67

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

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

No Device (USB device)

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

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

Disconnected (iPod, Bluetooth audio player)

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

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

No Media file

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

➤ See **Playable Media and Files (P.98)** and try another USB device.

USB device over current status detected.

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

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

SiriusXM

Check Tuner

A SiriusXM tuner is not connected to this unit.

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

Subscription Updated - Press Return To Continue

The SiriusXM subscription has been renewed.

> Pressing the Control knob will clear the message.

SXM Chan Unavailable

The currently selected channel is unavailable.

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

SXM Ch Unsubscribed

The currently selected channel is not subscribed to.

- ➤ In the U.S.A., visit www.siriusxm.com or call 1-866-635-2349 if you have questions about your subscription package or would like to subscribe to this channel.
- ➤ In Canada, visit www.siriusxm.ca or call 1-877-438-9677.

SXM Check Antenna

No antenna is connected to the SiriusXM tuner.

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

SXM No Signal

No SiriusXM radio signal is received.

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

Channel Locked

The selected channel has been locked by the parental controls.

 Enter the unlock code when you are asked. See Parental Control (P.53).

Incorrect Pass Code entered

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

➤ Enter the correct lock code.

Appendix

Playable Media and Files

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

■ List of playable discs (DDX9905S/ DDX9705S/ DDX9018BTS)

ı	Disc types / Standard	Support	Remark
DVD	DVD Video	0	
	DVD Audio	×	
	DVD-VR	×	
	DVD-R*1	0	MP3/WMA/ AAC/ WAV/ FLAC/ Vorbis/ MPEG1/ MPEG2/ MPEG4/ H.264/ WMV/ MKV playback Multi-border/Multisession playback (Playback depends on authoring conditions)
	DVD-RW	0	
	DVD+R	0	
	DVD+RW	0	
	DVD-R DL (Dual layer)	0	Only video format
	DVD+R DL (Double layer)	0	
	DVD-RAM	×	
CD	Music CD*1	0	
	CD-ROM	0	MP3/ WMA/ AAC/ WAV/ FLAC/ Vorbis playback
	CD-R	0	Multisession is supported.
	CD-RW	0	Packet write is not supported.
	DTS-CD	×	
	Video CD (VCD)	0	
	Super video CD	×	
	Photo CD	×	
	CD-EXTRA	Δ	Only music CD session can be played.
	HDCD	Δ	Normal music CD sound quality
	CCCD	×	
Others	Dualdisc	×	
	Super audio CD	Δ	Only CD layer can be played.

O: Playback is possible.

■ Use of DualDisc

When playing a "DualDisc" on this unit, the surface of the disc that is not played may be scratched while the disc is inserted or ejected. Since the music CD surface does not conform to the CD standard, playback may be impossible.

(A "DualDisc" is a disc with one surface containing DVD standard signals and the other surface containing music CD signals.)

$^{\ast 1}$ Incompatible with 8 cm (3 inch) discs.

■ About disc format

The disc format should be the one of the following.

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

 $[\]boldsymbol{\triangle}\,$: Playback is partly possible.

^{× :} Playback is impossible.

About files

The following audio and video files are supported.

■ Playable Audio files

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

- If music of normal CD and other playback systems are recorded in the same disc, only the playback system recorded at the first setout is played.
- · WMA and AAC files with DRM cannot be played.
- DSD sound is converted to PCM sound before playback.
- The EmChinks tag of DSDIFF is not supported.
- Although the audio files complies with the standards listed above, they may not be played depending on the types or conditions of media or device.
- This unit supports playback of High-Resolution Audio files. It is recommended that a car audio system should be configured with all High-Resolution Audio compatible products from player to speaker to enjoy its high quality sound.

■ Acceptable Video files

	Profile	Max. Picture size	Max. bit rate	Audio format
MPEG-1 (.mpg, .mpeg)	_	352 × 240, 352 × 288	1.5 Mbps	MPEG Audio Layer 2
MPEG-2 (.mpg, .mpeg)	MP@ML	720 × 480, 720 × 576	8 Mbps	MPEG Audio Layer 2
H.264/MPEG-4 AVC (.mp4, .m4v, .avi, .flv, .f4v)	Baseline Profile, Main Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
MPEG-4 (.mp4, .avi)	Advanced Simple Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
WMV (.wmv)	Main Profile	1920 × 1080 (30 fps)	8 Mbps	WMA
MKV (.mkv)	I Video format follows H 264/MPE(3-4 AVC MPE(3-4 W/MV I			MP3, AAC, WMA, Vorbis, FLAC

[•] This unit can only play back files which are smaller than 4 GB.

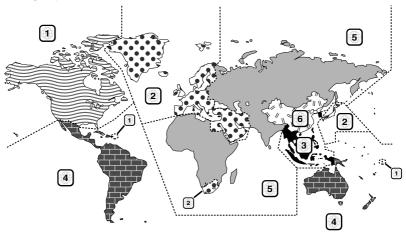
■ Limitation on structure of file and folder

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

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

Region Codes in the World

The DVD players are given a region code according to the country or area it is marketed, as shown in the following map.



■ DVD disc marks



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



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



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



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



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

■ Operation regulatory marks

With this DVD, some functions of this unit such as the play function may be restricted depending on the location where the DVD is playing. In this case, the following marks will appear on the screen. For more information, refer to the disc manual.



■ Discs with limited period of use

Do not leave discs with a limited period of use in this unit. If you load an already expired disc, you may not be able to remove it from this unit.

DVD Language Codes

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

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

6 1	
Code	Language
rn	Kirundi
ro	Romanian
ru	Russian
rw	Kinyarwanda
sa	Sanskrit
sd	Sindhi
sg	Sangho
sh	Serbo-Croatian
si	Singhalese
sk	Slovak
sl	Slovenian
sm	Samoan
sn	Shona
so	Somali
sq	Albanian
sr	Serbian
SS	Siswati
st	Sesotho
su	Sundanese
SV	Swedish
SW	Swahili
ta	Tamil
te	Telugu
tg	Tajik
th	Thai
ti	Tigrinya
tk	Turkmen
tl	Tagalog
tn	Setswana
to	Tongan
tr	Turkish
ts	Tsonga
tt	Tatar
tw	Twi
uk	Ukrainian
ur	Urdu
uz	Uzbek
vi	Vietnamese
VO	Volapuk
wo	Wolof
xh	Xhosa
VO	Yoruba
zh	Chinese
zu	Zulu

Specifications

■ Monitor section

Picture Size

DDX9905S

: 6.75 inches (diagonal) wide

: 152.1 mm (W) \times 79.5 mm (H)

 $5-63/64 \times 3-1/8$ inch

DDX9018BTS/ DDX9705S/ DMX905S

: 6.95 inches (diagonal) wide

: 156.6 mm (W) × 81.6 mm (H)

6-3/16 × 3-3/16 inch

Display System

DDX9905S

: AAS LCD panel

DDX9018BTS/ DDX9705S/ DMX905S

:TN LCD panel

Drive System

:TFT active matrix system

Number of Pixels

DDX9905S

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

DDX9018BTS/ DDX9705S/ DMX905S

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

Effective Pixels

: 99.99 %

Pixel Arrangement

: RGB striped arrangement

Back Lighting

: LED

■ DVD player section (DDX9905S/ DDX9705S/ DDX9018BTS)

D/A Converter

: 24/ 32 bit

Audio Decoder

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

Video Decoder

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

Wow & Flutter

: Below Measurable Limit

Frequency Response

• 96 kHz: 20 – 44,000 Hz

• 48 kHz: 20 - 22,000 Hz

44.1 kHz: 20 – 20.000 Hz

Total Harmonic Distortion

: 0.010 % (1 kHz)

S/N Ratio (dB)

: 90.5 dB

Dynamic Range

: 89 dB

Disc Format

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

Quantifying Bit Number

: 16/20/24 bit

■ USB interface section

USB Standard

: USB 2.0 High Speed

File System

: FAT 16/32, exFAT, NTFS

Maximum Power Supply Current

: DC 5 V 1.5 A × 2

D/A Converter

: 24/ 32 bit

Audio Decoder

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

Video Decoder

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

Frequency Response (DMX905S)

• 192 kHz: 20 - 88,000 Hz

• 96 kHz: 20 – 44,000 Hz

• 48 kHz: 20 - 22,000 Hz

• 44.1 kHz: 20 - 20,000 Hz

Total Harmonic Distortion (DMX905S)

: 0.0001 % (1 kHz)

S/N Ratio (dB) (DMX905S)

: 98.5 dB

Dynamic Range (DMX905S)

: 89 dB

■ Bluetooth section

Technology

: Bluetooth Ver.4.1

Frequency

: 2.402 - 2.480 GHz

Output Power

: Power Class2

Maximum Communication range

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

Audio Codec

: SBC/ AAC

Profile (Multi Profile support)

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

■ Wi-Fi section

IEEE Standard

:802.11 a/b/g/n

Frequency Range

: Dual Band (2.4GHz / 5GHz)

Channels

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

Transfer rates (MAX)

: 11a:54 Mbps / 11b: 11 Mbps / 11g: 54 Mbps / 11n:150 Mbps

■ DSP section

Graphics equalizer

Band: 13 Band

Frequency (BAND1 - 13)

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

Gain

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

2Way X'Over

High pass filter

Frequency: Through, 30/40/50/60/70/80/90/100/ 120/150/180/220/250 Hz

Slope: -6/-12/-18/-24 dB/Oct.

Low pass filter

Frequency: 30/40/50/60/70/80/90/100/120/ 150/180/220/250 Hz, Through

Slope: -6/-12/-18/-24 dB/Oct.

Position

Front / Rear / Subwoofer Delay

: 0 - 20.01 ft (0.03 or 0.04 ft Step)

Gain

-8 - 0 dB

Subwoofer level

:-50 - +10 dB

■ Digital FM tuner section (DDX9905S/ DDX9705S/ DMX905S)

Frequency Range (step)

: 87.9 MHz - 107.9 MHz (200 kHz)

Frequency Response (± 3.0 dB)

: 20 Hz - 20 kHz

S/N Ratio

: 80 dB (STEREO)

■ Digital AM tuner section (DDX9905S/ DDX9705S/ DMX905S)

Frequency Range (step)

: 530 kHz - 1700 kHz (10 kHz)

Frequency Response (± 3.0 dB)

: 40 Hz - 15 kHz

S/N Ratio (dB)

: 80 dB (STEREO)

■ FM tuner section

Frequency Range (step)

DDX9905S/ DDX9705S/ DMX905S:

87.9 MHz - 107.9 MHz (200 kHz)

DDX9018BTS: 87.5 MHz - 108.0 MHz (50 kHz)

Usable Sensitivity (S/N:30 dB)

: 9.3 dBf (0.8 μV/ 75 Ω)

Quieting Sensitivity (S/N: 46 dB)

DDX9905S/ DDX9705S/ DMX905S:

10.2 dBf (1.13 μV/ 75 Ω)

DDX9018BTS: 15.2 dBf (1.6 μV/ 75 Ω)

Frequency Response

· 30 Hz - 15 kHz

S/N Ratio (dB)

: 75 dB (MONO)

Selectivity (± 400 kHz)

: Over 80 dB

Stereo Separation

: 45 dB (1 kHz)

AM tuner section

Frequency Range (step)

: 530 kHz - 1700 kHz (10 kHz)

Usable Sensitivity

: 28 dBu

■ Video section

Color System of External Video Input

External Video Input Level (mini jack)

: 1 Vp-p/ 75 Ω

External Audio Max Input Level (mini jack)

: 2 V/ 25 kΩ

Video Input Level (RCA jacks)

: 1 Vp-p/ 75 Ω

Video Output Level (RCA jacks)

: 1 Vp-p/ 75 Ω

Audio Output Level (mini jack)

: 1.2 V/ 10 kO

Audio section

Maximum Power (Front & Rear)

:50 W × 4

Typical Power Output (Front & Rear)

Full Bandwidth Power (at less than 1% THD)

 $: 22 W \times 4$

Output frequency band

: 20 - 88,000 Hz

Preout Level (V)

DDX9905S/ DDX9018BTS/ DMX905S

: 5 V/ 10 kΩ DDX9705S

: 4 V/ 10 kΩ

Preout Impedance

: ≤ 300 Ω

Speaker Impedance

:4-80

■ General

Operating Voltage

: 14.4 V (10.5 - 16 V allowable)

Maximum Current Consumption

: 15 A

Installation Dimensions (W \times H \times D)

DDX9905S/ DDX9018BTS/ DDX9705S

: $178 \times 100 \times 160 \text{ mm}$ $7 \times 3-15/16 \times 6-5/16 \text{ inch}$

DMX905S

: $178 \times 100 \times 155 \text{ mm}$ $7 \times 3-15/16 \times 6-1/8 \text{ inch}$

With Sleeve

DDX9905S/ DDX9018BTS

: 182 × 112 × 163 mm

 $7-3/16 \times 4-7/16 \times 6-7/16$ inch

DMX905S

 $: 182 \times 112 \times 153 \text{ mm}$

 $7-3/16 \times 4-7/16 \times 6$ inch

Operational Temperature Range

:-10°C - +60°C

Weigh

DDX9905S/ DDX9018BTS/ DDX9705S

: 2.4 kg (5.3 lbs) DMX905S

: 1.7 kg (3.8 lbs)

NOTE

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

Specifications subject to change without notice.

About this Unit

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Ubiquitous

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libFLAC

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libvorbis

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Appendix

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libogg

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■ FCC WARNING

This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

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, used 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.

A CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

In compliance with Federal Regulations, following are reproductions of labels on, or inside the product relating to laser product safety.

JVC KENWOOD Corporation 2967-3, ISHIKAWA-MACHI, HACHIOJI-SHI, TOKYO, JAPAN

THIS PRODUCT COMPLIES WITH DHHS RULES
21 CFR SUBCHAPTER J IN EFFECT AT DATE OF
MANUFACTURE.

Location: Top plate (DDX9705S)

Bottom plate (DDX9905S/ DMX905S)

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

■ IC (Industry Canada) Notice

This device complies with Industry Canada's applicable licence-exempt RSSs.

Operation is subject to the following two conditions:

- (1) This device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device

A CAUTION

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the IC 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.

■ CALIFORNIA, USA

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

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

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



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

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

■ Informação sobre a eliminação de pilhas

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

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

■ Para cumplimiento de la IFT:

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

- (1) es posible que este equipo o dispositivo no cause interferencia perjudicial y
- (2) este equipo o dispositivo debe aceptar cualquier interferencia,

incluyendo la que pueda causar su operación no deseada."

Fot DDX9018BTS

■ The marking of products using lasers

CLASS 1 LASER PRODUCT

The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.





■ DOLBY AUDIO™ (((SiriusXM)))

















HD2/HD3

Bookmark

Digital Sound

Program Info

Artist Experience

Emergency Alerts

KENWOOD

MILITARY

Units purchased through the U.S.A. military exchange service overseas may be serviced under warranty in the continental U.S.A., subject to the following conditions.

The original warranty is in effect.

2) Proof of purchase is provided to the servicer.

WARRANTY FOR MILITARY MARKET

Kenwood corporation is proud of the quality and workmanship of its audio equipment. This unit has been properly designed, tested and inspected before it was shipped to you. If properly installed and operated in accordance with instructions furnished, it should dive you an optimum reliable performance.

WARRANTY PERIOD

This product is warranted for a period of (1) year from the date of the original purchase.

SCOPE OF WARRANTY

Except as specified below, this warranty covers all defects in materials and workmanship of the Kenwood brand products.

During the warranty period, any authorized Kenwood Service Center in the military market listed in the back of this warranty card will provide you free-of-charge both parts and labor required to correct any defect in materials or workmanship.

The following are not covered by this warranty.

1. Voltage conversions.

- Periodic check-ups which do not disclose any defect covered by the warranty.
- Cabinets, grilles, other exterior finishes, belts, tape heads, and other non-durable parts and accessories.
- Units on which the serial number has been effaced, modified
 removed.
- 5. Installation and/or removal charges.
- Damaged magnetic tapes.
 House call charges for any repairs.
- 8. Shipping or delivery charges to or from an authorized
- This warranty will not cover any failure that is due to any of the following conditions in accordance with the visual inspection of the authorized Kenwood Service Center:
- * Improper maintenance or repair, including the installation of parts or accessories that do not conform to the quality and specifications of the original parts.
- specifications of the original parts.

 * Misuse, abuse, neglect, unauthorized product modification or failure to follow instructions contained in the Owner's Manual
- * Accidental or intentional damages
- * Repairs or attempted repairs by an unauthorized agency.

 (All repairs must be performed at an authorized Kenwood Service Center.)
- * Damages or deteriorations caused during shipment (Claims must be presented to the carrier).
- * Damages or deteriorations resulting from removal and/ or replacement.

PURCHASER'S RESPONSIBILITIES

As the purchased of a new Kenwood brand product, you are requested to do the following in order to obtain Kenwood warranty service.

- Retain your sales slip or other evidence of purchase for proving your eligibility for requesting Kenwood warranty service.
- Make your unit available to an authorized Kenwood Service Center in the military market for inspection and approved warranty service, or ship your unit in its original carton box or equivalent, fully insured and shipping charges prepaid, to the authorized Kenwood Service Center.

LIMITATION OF IMPLIED WARRANTIES

Any and all implied warranties, including warranties of merchantability and fitness for a particular purpose, shall be limited in duration to the length of this warranty.

EXCLUSION OF CERTAIN DAMAGES

KENWOOD's liability for any detective product is limited to the repair or replacement of said product, at our potion, and shall not include damages of any kind, whether incidental, consequential or otherwise, expect to the extent prohibited by applicable law.

KENWOOD AUTHORIZED SERVICE CENTERS IN MILITARY MARKET

JAPAN:

Yokota

Kenwood Rep.; c/o Yokota BX, JAAX AAFES-PAC, APO San Francisco 96328

Zama

Kenwood Rep.; c/o Zama PX, JAAX AAFES-PAC, APO San Francisco 96343

Misawa

Kenwood Rep,; c/o Misawa BX, JAAX AAFES-PAC, APO San Francisco 96519

Yokosuka

Kenwood Rep,; c/o A-33, Yokosuka NEX No. 260-010 FPO Seattle 98760

Atsugi

Kenwood Rep,; c/o Atsugi NEX No. 260-020 FPO Seattle 98767

Iwakuni

Kenwood Rep.; c/o Marine Corps Exchange, Marine Corps Air Station, FPO Seattle 98764

Sasebo

Sasebo NEX; Navy Exchange 260-040 F.A. Box 115 FPO Seattle 98766

Okinawa

Kenwood Rep,; c/o OWAX, AAFES-PAC, APO San Francisco 96230

KOREA:

Kenwood Rep.; c/o KOAX Repair Shop, AAFES-PAC DD-Camp Market, APO San Francisco 96488

GUAM:

Kenwood Rep,; c/o Guam NEX No. 230-010, FPO San Francisco 96630 Kenwood Rep,; c/o GUAX, AAFES-PAC, APO San Francisco 96334

U.S.A.:

In The Continental U.S.A.

For Nearest Authorized Service Center; Tel: 1-800-536-9663 www.us.ivckenwood.com

EUROPE:

Please inquire at the military resale outlets where you bought your Kenwood products, or JVCKENWOOD DEUTSCHLAND GMBH: Konrad-Adenauer Allee 1-11, 61118 Bad Vilbel, Germany

Dear Customer, Thork you for purphasing this keepwood product. As mostioned in the pages of this

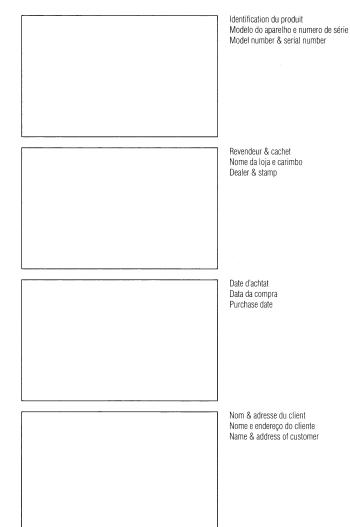
Thank you for purchasing this kenwood product. As mentioned in the pages of this booklet, our warranty is only valid in the countries listed. If your country is not listed please contact your retailer for information on warranty procedure, or write to:

JVC KENWOOD Customer Information Center

3-12, Moriyacho, Kanagawa-ku, Yokohama-shi, Kanagawa 221-0022, Japan



Warranty Card



Attention:

This card and receipt (or invoice) are necessary to purchase a new panel in case of theft or damage.

Attention:

Vous aurez besoin de cette carte et du reçu (ou de la facture) pour acheter un nouveau panneau en cas de vol ou d'endommagement.

Atenção

Em caso de dano ou perda do painel frontal, este Certificado de Garantia e a Nota Fiscal de compra serão requisitados para a aquisição de um novo painel.

© B46-0824-00/03 (K) (15/03)



JVCKENWOOD USA Corporation

is warranty will be honored only in the U.S.A.

KENWOOD LIMITED WARRANTY FOR CAR STEREO COMPONENTS

HOW LONG IS THE WARRANTY

Kenwood U.S.A. Corporation ("Kenwood") warrants this product for a period of one (1) year from the date of original purchase

WHAT IS COVERED AND WHAT IS NOT COVERED

Except as specified below, this warranty covers all defects in material and workmanship in Kenwood car stereo components. The following are not covered by the warranty

- 1. Any product which is not distributed in the U.S.A. by Kenwood or which is not purchased in the U.S.A. from an authorized Kenwood car stereo dealer or an automobile dealer, unless the product is purchased through the U.S.A Military Exchange Service.
- Any product on which the serial number has been defaced, modified or removed.
- . Damage, deterioration or malfunction resulting from:
- a. Any shipment of the product (claims must be presented to the carrier).
- b. Installation or removal of the product.

BRASIL

- c. Accident, acts of nature, misuse, abuse, neglect, unauthorized product modification or failure to follow instructions supplied with the product.
- d. Repair or attempted repair by anyone not authorized by Kenwood e. Any other cause which does not relate to a product

WHO IS PROTECTED

This warranty is enforceable only by the original purchaser.

WHAT WE WILL PAY FOR

We will pay for all labor and material expenses for covered items. Payment of shipping charges is discussed in the next section of this warranty.

HOW TO OBTAIN WARRANTY SERVICE

If your KENWOOD product ever needs service:

- 1. Take or ship it to any KENWOOD Authorized Service Center in the U.S.A. along with & complete description of the problem. (if you are uncertain as to whether a Service Center is authorized, please call 1-800-KENWOOD for the nearest Service Center, 1-800-536-9663).
- 2. Although you must pay any shipping charges if it is necessary to ship the product for warranty service, we will pay the return shipping charges if the repairs are covered by the warranty within the United States.
- 3. Whenever your units are taken or sent for warranty service, you must include a copy of the original dated sales receipt as proof of warranty coverage.

LIMITATION OF IMPLIED WARRANTIES

ALL IMPLIED WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE LENGTH OF THIS WARRANTY

EXCLUSION OF DAMAGES

KENWOOD'S LIABILITY FOR ANY DEFECTIVE PRODUCT IS LIMITED TO THE REPAIR OR REPLACEMENT OF THE PRODUCT AT OUR OPTION. KENWOOD SHALL NOT BE LIABLE FOR:

- 1. INSTALLATION OR REMOVAL CHARGES, DAMAGE TO OTHER PROPERTY CAUSED BY ANY DEFECTS IN KENWOOD CAR STEREO COMPONENTS, DAMAGES BASED UPON INCONVENIENCE, LOSS OF USE OF THE PRODUCT: OR
- 2. ANY OTHER DAMAGES, WHETHER INCIDENTAL CONSEQUENTIAL OR OTHERWISE

SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS AND/OR DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND EXCLUSIONS MAY NOT APPLY TO YOU

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

If a problem develops during or after the Limited Warranty Period, or if you have any questions regarding the operation of the product, you should contact your KENWOOD Authorized Dealer or Authorized Service Center. If the problem or your question is not handled to your satisfaction, please contact our Customer Relations Department at the address listed below:

JVCKENWOOD USA Corporation PO Box 22745, 2201 E. Dominguez St. Long Beach, CA 90810-5745 Tel: (800) 536-9663 www.us.jvckenwood.com

JVC KENWOOD DO BRASIL COMÉRCIO DE ELETRÔNICOS LTDA

O fabricante garante o produto identificado na Nota Fiscal de venda ao consumidor contra qualquer defeito de fabricação ou de matéria-prima durante o período de garantia. Esta garantia é válida no território brasileiro desde que o produto tenha sido adquirido no Brasil e distribuído pela JVC KENWOOD do Brasil Comércio de Eletrônicos Ltda.

PERÍODO DE GARANTIA

Este produto é garantido pelo prazo de 01 (um) ano, incluindo o período estabelecido por lei. a partir da data de aquisição, comprovada mediante a apresentação da respectiva Nota Fiscal de venda ao consumidor final.

Eventuais reparos realizados no produto durante o período de garantia não implicam na dilatação do seu prazo.

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- (a) Produtos com o número de série ou certificado de garantia rasurados, adulterados ou ilegíveis: (b) Defeitos resultantes de acidentes (quedas, batidas e etc), uso em desacordo com o manual de instruções, má utilização, ligação à fonte de tensão diferente da especificada no Manual de Instruções, modificações não autorizadas;
- (c) Danos causados por agentes da natureza (Ex: chuvas, raios, maresia, enchentes e etc):
- (d) Defeitos ou danos em decorrência de consertos realizados por pessoas não autorizadas:
- (e) Defeitos ou danos resultantes do uso de peças ou dispositivos não conformes às especificações
- (f) Danos ou deteriorações aos acabamentos externos, partes cosméticas, cabos, chicotes. parafusos de fixação, luvas, alças, bolsas, estojos, adaptadores, antenas, fitas, cabeças gravadoras. CDs ou danos causados por pilhas defeituosas ou com vazamento:
- (g) Defeitos ou danos devido ao transporte (reclamações devem ser feitas junto à empresa transportadora):
- (h) Qualquer outra causa que não esteja relacionada a defeitos de matéria-prima e de fabricação: (i) Danos causados por tentativa de roubo ou furto;
- (i) Danos causados por uso de CDs de má qualidade:
- (k) Danos decorrentes do desgaste natural do produto:
- (1) Danos causados por mau uso. (derramamento de líquidos e/ou alimentos, corrosão, oxidação, exposição à umidade ou situações climáticas extremas, riscos ou quedas).

CONSERTO EM GARANTIA

É indispensável a apresentação deste Certificado de Garantia devidamente preenchido, acompanhado da respectiva Nota Fiscal de compra do produto, desde que não apresente rasuras ou modificações.

O consumidor somente terá direito a estes benefícios, quando o produto for entregue diretamente no balcão de um Serviço Autorizado da JVC KENWOOD.

O QUE NÃO É COBERTO PELA GARANTIA

Instalação e remoção do produto, despesas de frete, seguro e embalagem são de responsabilidade do proprietário

Este produto é destinado exclusivamente ao uso doméstico.

IMPORTANTE:

Para qualquer informação sobre seu equipamento JVC KENWOOD, ou para obter o endereço do Serviço Autorizado mais próximo, acesse o site www.kenwood.com.br , ou ligue para a Central de Atendimento JVC KENWOOD - Tel.: +55 (11) 3777-6771 com os dados abaixo preenchidos

JVC KENWOOD DO BRASIL COMÉRCIO DE ELETRÔNICOS LTDA Tel: (11) 3777-6771 www.kenwood.com.br

Nome do consumidor:	
Endereço:	CEP:
Cidade:	Estado:
Telefone:	
Data da compra: / /	Nota Fiscal:

CANADA

KENWOOD WARRANTY

KENWOOD ELECTRONICS CANADA INC. (hereinafter called "KENWOOD"), gives the following written warranty to the original customer of each new Kenwood product distributed in Canada by KENWOOD and purchased from a dealer authorized by KENWOOD.

KENWOOD warrants that each new Kenwood product, under normal use, is free from any defects, subject to the terms and conditions set forth below. If a defect should occur within the warranty period, repairs will be made free of charge for parts. and labour when such defects are determined by KENWOOD or its' authorized service centres to be attributable to faulty materials or workmanship at time of manufacture. Please contact KENWOOD to confirm if a dealer or service centre is authorized by KENWOOD.

WARRANTY PERIOD

This Kenwood product is warranted for parts and labour for a period of one (1) year from the date of original purchase, lease or rental, except for products which are used in a professional or commercial application, which are warranted for a period of ninety (90) days for parts and labour and are subject to the terms and conditions of the warranty.

WARRANTY EXCLUSIONS

This warranty excludes:

- (a) Products purchased in a foreign country or purchased in Canada and taken to a foreign country.
- (b) Products purchased from a dealer not authorized by
- (c) Products with the serial number defaced, altered or missing
- (d) Periodic check-ups which do not disclose any defects covered by this warranty

JVCKENWOOD CANADA INC.

(e) Defects resulting from disaster, accident, abuse, misuse, lightning, power surges, neglect or lack of periodic maintenance, unauthorized modification or failure to follow

- instructions in the owner's manual. (f) Defects or damage as a result of repairs performed by a person or party not authorized by KENWOOD.
- (g) Defects resulting from the use of parts or devices that do not conform to KENWOOD specifications.
- (h) Damage or deterioration occurring to any exterior finishes, cosmetic parts, tape heads, adaptors, antennas, cables, tapes, discs or faults or damage caused by defective or leaking batteries.
- (i) Defects or damage occurring during shipping (claims should he presented to the shinning company)
- (i) Product voltage and /or line frequency conversions. (k) Product installation or removal charges.

TO OBTAIN WARRANTY SERVICE

Should your Kenwood product require warranty service, deliver it to any authorized KENWOOD service centre and present the original copy of your bill of sale and this warranty card as proof of warranty, or send your product fully insured and freight prepaid to the nearest authorized KENWOOD service centre. To avoid possible shipping damage, make sure the product is properly packed. Include a copy of your original bill of sale and this warranty card as proof of warranty along with your name, home and /or work telephone number(s) a complete return address and a detailed description of the fault(s). Products repaired within warranty will be returned freight prepaid to destinations within Canada. The customer is responsible for all freight and related costs for the return of product(s) to destinations outside Canada.

ENTIRE WARRANTY

This warranty constitutes the entire written warranty given by KENWOOD. No person, party, dealer or service centre or their agents or employees are authorized to extend or enlarge this warranty on behalf of KENWOOD by any written or verbal statement or advertisement or promotion, including any extended warranty program or plan that may be offered by the dealer or service centre, unless approved in writing by KENWOOD

DISCLAIMER

KENWOOD disclaims any responsibility for loss of time or use of the product or any other indirect, incidental or consequential damage to other products or goods, inconvenience or commercial loss.

NOTICE TO CONSUMER

The provisions contained in this written warranty are not intended to limit, modify, take away, disclaim or exclude any warranties. or rights you may have which are set forth in any applicable provincial or federal laws or legislation.

IMPORTANT

This warranty card by itself is not considered by KENWOOD as a valid proof of purchase. When applying for warranty repairs, you must present the original copy of your bill of sale and this warranty card as proof of warranty, so we recommend that they be kept in a safe place, should they be required in the future.

JVCKENWOOD CANADA INC. 6070 Kestrel Road, Mississauga, Ontario, Canada L5T 1S8

> Tel.: (905) 670-7211 Fax: (905) 670-7248

GARANTIE KENWOOD

KENWOOD ELECTRONICS CANADA INC. (ci-après appelée "KENWOOD"), donne par écrit la garantie suivante à l'acheteur original de chaque nouveau produit Kenwood distribué au Canada par KENWOOD et acheté à un concessionnaire autorisé par KENWOOD.

KENWOOD garantit, sous réserve des termes et des conditions énoncés ci-dessous, que chaque nouveau produit Kenwood. dans des conditions d'emploi normales, est exempt de tous défauts. Si l'un défaut se produit pendant la période de garantie. KENWOOD s'engage à assumer le coût des pièces défectueuses et de la main-d'oeuvre nécessaires pour effectuer les réparations pourvu que de tels défauts sont attribuables à des pièces défectueuses employées lors de la fabrication du produit Kenwood ou à la main-d'oeuvre tel qu'établi par KENWOOD ou par l'un de ses centres de service autorisés. Appelez KENWOOD pour vérifier si un concessionnaire ou un centre de service est autorisé par KENWOOD.

PÉRIODE DE GARANTIE

Les pièces et la main-d'oeuvre nécessaires pour la réparation des produits Kenwood sont garanties pendant la période d'un (1) an à compter de la date d'achat, de bail ou de location originale. sauf dans les cas où les produits Kenwood sont employés dans un but professionnel ou commercial, où la garantie des pièces et de la main-d'oeuvre demeure en vigueur pendant une période de quatre-vingt-dix (90) jours sous réserve des termes et des conditions de la garantie.

EXCLUSIONS DE GARANTIE

Cette garantie ne couvre pas:

- (a) les produits achetés à l'étranger ou achetés au Canada et transportés à l'étranger:
- (b) les produits achetés à un concessionnaire non autorisé par KENWOOD:
- (c) les produits dont le numéro de série manque, a été effacé ou modifié:
- (d) les services d'entretien périodiques qui n'indiquent aucun défaut couvert par cette garantie:

- (e) les défauts causés par les désastres, les accidents, les abus, les emplois incorrects, les éclairs, les surtensions de courant. les manques de soins ou d'entretiens périodiques. les modifications non autorisées ou les manques de respect du mode d'emploi
- (f) les défauts ou les dommages causés lors de réparations effectuées par une personne ou par une partie non autorisée par KENWOOD:
- (g) les défauts causés par l'emploi de pièces ou de dispositifs qui ne se conforment pas aux exigences de KENWOOD:
- (h) les finitions extérieures, les pièces cosmétiques, les têtes de bandes, les adaptateurs, les antennes, les câbles, les bandes, les disques endommagés ou dépéris, ni les défauts ou dommages causés par des piles défectueuses ou qui fuient:
- (i) les défauts ou dommages qui se produisent pendant l'expédition des produits Kenwood (On devrait déposer de telles réclamations auprès des compagnies de transport)
- (j) les conversions de tension et/ou de fréquence du
- (k) les frais d'installation ou d'enlèvement du produit.

COMMENT OBTENIR DU SERVICE SOUS GARANTIE

Au cas où un service sous garantie de votre produit Kenwood s'avère nécessaire, veuillez livrer le produit à n'importe quel centre de service KENWOOD et présenter la copie originale du contrat de vente et cette carte de garantie en tant que preuve de garantie ou veuillez faire parvenir votre produit assuré et port pavé au centre de service KENWOOD autorisé le plus proche. Pour éviter toutes possibilités de dommages pendant le transport, veuillez bien emballer le produit. Veuillez inclure une copie du contrat de vente original et cette carte de garantie en tant que preuve de parantie aussi bien que votre nom numéros de téléphone au poste de travail et/ou au domicile votre adresse et une description détaillée des défauts. Les produits sous garantie réparés seront retoumés port payé aux destinations à l'intérieur du Canada. Le consommateur sera responsable de tous frais de transport et d'autres frais qui s'y rapportent pour faire expédier les produits à destinations à l'extérieur du Canada

L'ENTIÈRE GARANTIE

Cette garantie représente l'entière garantie donnée par écrit par KENWOOD. KENWOOD ne se tient aucunement responsable de toutes extensions ni de toutes augmentations de cette garantie faites ou entreprises par toutes personnes, parties, concessionnaires ou centres de service ou par leurs agents ou employés au nom de KENWOOD au moyen d'affirmations verbales ou écrites, d'annonces ou de promotions, y inclus tous programmes ou plans de garantie étendue que puissent offrir les concessionnaires ou les centres de service, à moins que KENWOOD n'y ait consenti par écrit d'avance.

RENONCIATION

KENWOOD renonce à toutes responsabilités de perte de temps, d'emploi du produit, de tous dommages indirects ou accessoires causés à d'autres produits ou biens, de tous inconvénients ou de toutes nertes commerciales

AVIS AUX CONSOMMATEURS

Les stipulations contenues dans la présente garantie écrite n'ont pas pour but de limiter, de modifier, de diminuer, de rejeter ni d'exclure d'autres garanties ni droits énoncés dans n'importe quelles lois ou législations provinciales ou fédérales.

IMPORTANT

KENWOOD ne considère pas cette garantie toute seule comme étant une preuve d'achat valide. Lorsqu'on demande du service sous garantie, il faudra présenter la copie originale du contrat de vente aussi bien que cette carte de garantie en tant que preuve de narantie. On recommande de les conserver dans un lieu sûr au cas où elles s'avèreraient nécesaires à l'avenir.

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