

# KW-M695BW

MONITOR WITH RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

 Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from <a href="https://www.jvc.net/cs/car/">https://www.jvc.net/cs/car/</a>.









**Android** Auto



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### **Before Use**

#### **IMPORTANT**

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

#### **Precautions**

#### **A WARNINGS**

# To prevent injury or fire, take the following precautions:

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

### Precautions on using this unit

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

### Protecting the monitor

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

### Cleaning the unit

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

#### **NOTE**

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

#### How To Reset Your Unit

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



#### NOTE

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

### Acquiring GPS signal

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

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

### Caution for Smartphone Users

- Simultaneously running multiple applications on your smartphone while screen sharing places heavy demand on the microprocessor of the phone, potentially affecting communication and performance.
- For best results while pairing with your JVC receiver, please be sure to close any unused applications.

### How to read this manual

 The screens and panels shown in this manual are examples used to provide clear explanations of the operations.

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

 Indication language: English indications are used for the purpose of explanation. You can select the indication language from the SETUP menu. See User Interface Setup (P.43).

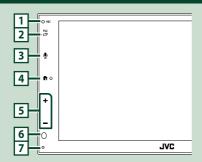


This symbol on the product means there are important operating and maintenance instructions in this manual.

Be sure to carefully read instructions in this manual.

## **Basic Operations**

# Functions of the Buttons on the Front Panel



#### **NOTE**

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

#### Name Motion Built-in microphone 1 · Speak via Bluetooth hands-free mode when a Bluetooth telephone is connected. 2 · Displays the popup menu screen. · Press and hold to display the APP (Apple CarPlay/ Android Auto™) screen. 3 · Displays the Voice Recognition screen 4 動/也 · Displays the HOME screen (P.9). · Press and hold to turn off the power. • When the power off, turns the power on. +, - (Volume) 5 · Adjusts volume. The volume will go up until 15 when you keep pressing +. Remote Sensor 6 · Receives the remote control signal.

#### Name

# • Motion Reset

#### 7

 If the unit or the connected unit fails to operate properly, the unit returns to initial settings when this button is pressed.

### Turning on the Unit

1 Press the 🏗 button.



- ➤ The unit is turned on.
- To turn off the unit:
- 1 Press and hold the the button.

#### NOTE

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

### **Getting Started**

#### **Initial setup**

Perform this setup when you use this unit first time.

1 Set each item as follows.



#### ■ Language

Select the language used for the control screen and setting items. Default is

- "American English(en)".
- 1 Touch Language.
- ② Select the desired language.
- (3) Touch Close.

#### ■ Clock

Sets the synchronization of the clock and adjusts it.

For detailed operation, see *Calendar/clock settings* (*P.7*).

#### Camera

Set the parameters for the camera.

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

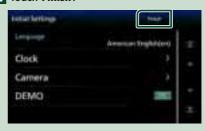
For detailed operation, see *Camera Setup* (*P.39*).

#### ■ DEMO

Set the demonstration mode. Default is "ON".

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

2 Touch Finish.



#### **NOTE**

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

### Calendar/clock settings

- 1 Press the **FNC** button.
  - > Popup menu appears.
- 2 Touch



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



➤ User Interface screen appears.

#### 4 Set each item as follows.

Scroll the page to show hidden items.



#### **■ Time Format**

Select the time display format.

12-Hour (Default)/24-Hour

#### ■ Clock

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

Manual: Set the clock manually.

#### ■ Daylight Saving

(Not used when the clock is set manually)
Activate this by selecting the additional time for daylight saving time (if available in your residential area).

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

#### **■ Time Zone**

Select the time zone.

#### **■ Clock Adjust**

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

#### NOTE

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

### Adjusting the volume

To adjust the volume (0 to 40),

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



### **Touch screen operations**

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

#### Touch

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



#### Touch and hold

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



#### Flick

Slide your finger quickly to the left or right on the screen to change the page.

You can scroll the list screen by flicking the screen up/down.



#### Swipe

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



### **Gesture Touch Control:**

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

- Sliding the finger towards up/down:
- Functions same as pressing [12] / [23] (Media) in the USB Control screen.
- For the Tuner, tuner preset broadcast stations are switched.
- Sliding the finger towards left/right: Functions same as pressing ► ► ►.
- Moving your finger clockwise or counterclockwise: increases/decreases the volume.



### **HOME screen descriptions**

Most functions can be performed from the HOME screen.



- Short-cut playback source icons. (P.10)
- Current source information.
  - Touch to display the control screen of current source.
- 3 · Widget
  - Touch [ / ] allows you to change the widget.
- Displays the source selection screen. (P.10)
- Displays the SETUP Menu screen. (P.42)

- 6
- · Displays the Hands Free screen. (P.34)
  - When connecting as Apple CarPlay or Android Auto, it works as a phone provided in Apple CarPlay or Android Auto.

### Display the HOME screen

1 Press the the button.



➤ HOME screen appears.

# Source selection screen descriptions

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



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

### Select the playback source

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



- Switches to the Apple CarPlay screen from the connected iPhone. (P.13)
- .
- Switches to the Android Auto screen from the connected Android smartphone. (P.14)



 Switches to the USB Mirroring screen from the connected iPhone or Android smartphone. (P.15, P.16)
It is necessary to connect iPhone or Android smartphone with "MirrorAPP+"" application installed.

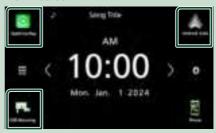


- Displays the Hands Free screen. (P.34)
   When neither Apple CarPlay, Android
   Auto, nor a Bluetooth Hands-Free phone
   is connected, displays "Disconnected"
   message in the TEL screen.
   When connecting as Apple CarPlay
   or Android Auto, it works as a phone
   provided in Apple CarPlay or Android
   Auto.
- Switches to the Radio broadcast. (P.21)
- Plays a Bluetooth audio player. (P.33)
- 454
- Plays files on a USB device. (P.18)
- ÷
- Switches to the SiriusXM® satellite radio broadcast. (P.24)



- Turns off the AV source. (P.10)
- For sources and information displayed when an iDatalink Maestro is connected, see *Maestro Features Operation (P.40)*.

# To select the playback source on the HOME screen



The 3 items displayed on the source selection screen as the large icons are shown on the HOME screen.

You can change items displayed on this area by customizing the source selection screen. **(P.11)** 

#### To turn off the AV source

- 1 Touch an on the HOME screen.
- 2 Touch AV Off.



# Customize Short-cut buttons on HOME screen

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

- 1 Touch and on the HOME screen.
- 2 Touch and hold the icon which you want to move to go into the customizing mode.
- 3 Drag it where you want to move.



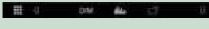
# Source control screen descriptions

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

#### Indicators



#### Sub menu



1 111 / Tal (000)

Connected Bluetooth device information.

2 All sources icon

Displays all sources.

#### 3 Secondary screen

- I/ : The Secondary screen changes every time you touch it. You can also change the Secondary screen by flicking left or right on the screen.
- Short-cut source icons: The source changes to the one you have set with a short-cut. For the short-cut setting, refer to Customize Shortcut buttons on HOME screen (P.11).
- · Sub menu
- section S
- Es: Displays the Graphic Equalizer screen. (P.49)
- Established -
- Indicators: Displays the current source condition and so on.
  - MUTE: The mute function is active.
  - LOUD: The loudness control function is on.

#### 4 Artwork & information

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

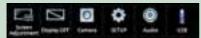


### Popup menu

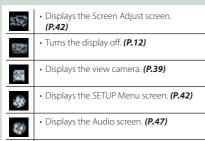
1 Press the FNC button.



> Popup menu appears.



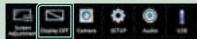
The contents of the menu are as follows.



 Displays the control screen of current source. Icon feature differs depending on the source. This icon is for USB source.

#### Turn off the screen

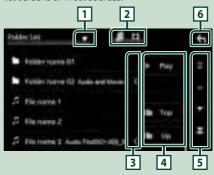
1 Select on the popup menu.



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

#### List screen

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



1

Displays list type selection window.

2 2 5

Displays music/movie file list.

3 . Text scroll

Scrolls the displayed text.

4 to etc.

Keys with various functions are displayed here.

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



You can change the page to display more items by pressing 

✓ ✓.

• 🛂 🖊 : Displays the top or bottom page.

6 Return

Returns to previous screen.

#### NOTE

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

### **APPS**

### **Apple CarPlay Operation**

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

For details about Apple CarPlay, visit

#### https://www.apple.com/ios/carplay/.

#### NOTE

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

#### Compatible iPhone devices

You can use Apple CarPlay with the following iPhone models.

- iPhone 15 Pro Max
- iPhone 15 Pro
- · iPhone 15 Plus
- iPhone 15
- iPhone 14 Pro Max
- iPhone 14 Pro
- iPhone 14 Plus
- iPhone 14
- iPhone 13 Pro Max
- iPhone 13 Pro
- iPhone 13
- iPhone 13 mini
- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12
- iPhone 12 mini

- iPhone SE (2nd generation)
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- · iPhone XR
- iPhone XS Max
- iPhone XS
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SF
- iPhone 6s Plus
- iPhone 6s

### Preparation

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

#### NOTE

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

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

You can use the Apps of the connected iPhone. The items displayed and the language used on the screen differ among the connected devices. To enter Apple CarPlay mode, touch

**Apple CarPlay** icon in the source selection screen. **(P.10)** 



- 1
- Displays the home screen of Apple CarPlay.
- Touch and hold to activates Siri.
- 2 Application buttons

Starts the application.

### 3 HOME

Exits the Apple CarPlay screen and displays the Home screen.

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

### To exit the Apple CarPlay screen

1 Press the in button.

### Use Siri

You can activate Siri.

1 Press the 🖢 button.



- 2 Talk to Siri.
- Switch to the Apple CarPlay screen while listening to another source
- 1 Press and hold the FNC button.



#### NOTE

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

### Android Auto™ Operation

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

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

#### NOTE

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

#### Compatible Android smartphone

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

#### **NOTE**

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

### Preparation

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

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

2 Unlock your Android smartphone.

# Operation buttons and available Apps on the Android Auto screen

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

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

To enter Android Auto mode, touch

**Android Auto** icon in the source selection screen. **(P.10)** 



#### 1 Application/information buttons

Starts the application or displays information.

#### To exit the Android Auto screen

1 Press the in button.

### Using voice control

1 Press the 🛡 button.



#### To cancel

1 Press the 🖢 button.

# Switch to the Android Auto screen while listening to another source

1 Press and hold the FNC button.



#### NOTE

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

# USB Mirroring Operation for iPhone

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

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

#### NOTE

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

### Preparation

## 1 Download Mirroring App from the App store.

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

#### NOTE

- Go to the MirrorAPP+ web page on the App Store to confirm compatibility.
- This application is not provided by IVCKENWOOD

JVCKENWOOD is not liable for any damages incurred by the customer in connection with the use of the application, except in cases where such damages are caused by JVCKENWOOD's willful misconduct or gross negligence.

### Connecting an iPhone

1 Pair your iPhone with the unit via Bluetooth.

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

- 2 Connect an iPhone via the USB terminal.
- **3** Launch Mirroring App on your iPhone.

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

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

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

Touch **Close** to close the message.

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

4 Start to enjoy Mirroring.

#### NOTE

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

### Mirroring Operation

- 1 Operate your iPhone to activate Mirroring App, then connect to this unit.
- 2 Press the in button.
- **3** Touch **USB Mirroring**.



### USB Mirroring Operation for Android Smartphone

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

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

#### **NOTE**

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

### Preparation

Download Mirroring App from the Google Play.

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

#### **NOTE**

- Go to the MirrorAPP+ web page on the Google Play to confirm compatibility.
- This application is not provided by JVCKENWOOD.

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# Connecting an Android smartphone

1 Pair your Android smartphone with the unit via Bluetooth.

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

- 2 Connect an Android smartphone via the USB terminal.
- 3 Launch Mirroring App on your Android Smartphone.

Touch **OK** to start Mirroring App.

Touch **Start now** to start capturing your Android screen.

4 Start to enjoy Mirroring.

#### NOTE

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

### Mirroring Operation

- Operate your Android smartphone to activate Mirroring App, then connect to this unit.
- 2 Press the 🏦 button.
- 3 Touch USB Mirroring.



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

### Operation buttons

1 Touch on the bottom left of the screen.



➤ Operation menu appears.



11 ←

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

2

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

3

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

**4** €

Displays the SETUP Menu screen.

5

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

6 🖺

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

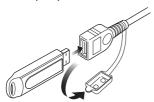
7

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

### **USB**

### **Connecting a USB device**

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



- 2 Press the 🏗 button.
- 3 Touch 🎡 .
- 4 Touch USB. (P.10)

### Disconnect the USB device

- 1 Press the 🏦 button.
- 2 Touch 🧱 .
- 3 Touch a source other than USB.
- 4 Detach the USB device.

### Usable USB device

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

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

#### About file system

The file system should be the one of the following.

• FAT16 • FAT32 • exFAT • NTFS

#### NOTE

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

### **USB Basic Operation**

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



Open the drawer



# Artwork/ Play mode indicator/ Playing

The jacket of the currently playing file is displayed.

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

### 2 7 / 25

 : Repeats the current track/folder. Each time you touch the key, repeat mode switches in the following sequence;

File repeat ( ), Folder repeat ( ), Repeat all ( )

#### 3 Track information

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

#### 4 Content list

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

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

#### 5 Function panel

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

- Searches previous/next folder.
- DRIVE CHANGE: Switches between partitions in a USB memory that has been fragmented into multiple partitions (up to 2 drives).
- ASPECT (Only during video playback): Select screen mode.

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

Normal: Display with 4:3 ratio.

**Auto**: Displays video fully on vertical or horizontal with no ratio change.

#### 6 Operation keys

- Q: Searches track/file. For details on search operation, see **Search Operation (P.20)**.
- I Searches the previous/next track/ file.

Touch and hold to fast forward or fast backward.

- ►/II : Plays or pauses.
- Touch to mute or not to mute.

#### 7 Indicator Items

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

### 8 Hide (Video file only)

• Touch to hide the operation keys.

#### Video screen



#### 9 Searching file area (Video file only)

Touch to search the next/previous file.

#### 10 Key display area (Video file only)

Touch to display the control screen.

### **Search Operation**

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

- 1 Touch Q.
- 2 Touch ▼.



3 Select the list type.



#### NOTE

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

### Category search

You can search a file by selecting category.

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



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

### Link search (Audio file only)

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

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



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

### **■** Folder search

You can search a file according to hierarchy.

1 Touch Folder List.



- 2 Select whether you search audio files or video files ...
- 3 Touch the desired folder.



When you touch a folder its contents are displayed.

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

### **Tuner**

### **Tuner Basic Operation**

Most functions can be controlled from the source control screen.

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

#### **Control screen**



Open the drawer



### 1 Information display

Displays the information of the current station: Frequency

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

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

Preset#: Preset number

### 2 Seek mode

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

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

#### **3** Operation keys

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

#### 4 Preset list

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

### 5 Function panel

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

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

#### 6 FM AM

Switches the band.

#### 7 Indicator Items

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

White: TP is being received.

Orange: TP is not being received.

### **Memory Operation**

### Auto memory

You can store stations with good reception in memory automatically.

1 Touch desired band key.



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



- ➤ A confirmation screen appears.
- **3** Touch **Yes**.

  ➤ Auto memory starts.

### Manual memory

You can store the current receiving station in memory.

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

### **Selecting Operation**

### Preset select

You can list and select memorized station.

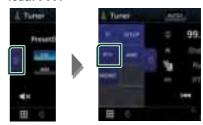
1 Touch twice on the right side of the screen.
Select a station from the list.



# Search by program type (FM only)

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

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



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

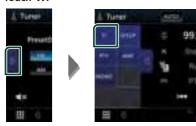


You can search a station of the selected program type.

### **Traffic Information (FM only)**

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

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



> Traffic information mode is set.

### **■** When the traffic bulletin starts

The Traffic Information screen appears automatically.



### **Tuner Setup**

You can set tuner related parameters.

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



- ➤ Tuner SETUP screen appears.
- **3** Set each item as follows.
  - Area Setting

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

North America (Default): Select this when using in North America. FM/AM intervals are set to 200 kHz/10 kHz.

**South America**: Select this when using in South America. FM/AM intervals are set to 50 kHz/10 kHz.

**Europe**: Select this when using in any other areas. FM/AM intervals are set to 50 kHz/9 kHz

### SiriusXM®

### SiriusXM® Basic Operation

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

To listen to the SiriusXM source, touch the **SiriusXM** icon on the source selection screen. **(P.10)** 

#### **Activating subscription**

- Check your Radio ID.

  The SigneYM Satellite
- The SiriusXM Satellite Radio ID is required for activation and can be found by tuning in Channel 0 as well as on the label found on the SiriusXM Connect tuner and its package. The Radio ID does not include the letters I, O, S or F.
- Activate the SiriusXM Connect Vehicle Tuner using either one of the two methods below:
  - For users in U.S.A.
    - Online: Visit www.siriusxm.com/activatenow Phone:
    - Call SiriusXM Listener Care at 1-866-635-2349
  - For Canadian Subscriptions, please contact:
     Online: Visit www.siriusxm.ca/activate
     Phone:

Call SiriusXM Customer Care at 1-888-539-7474

#### NOTE

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

#### **Control screen**



### Open the drawer



### 1 Information display

 Displays the information on the current channel: Channel Name

P#: Preset number

#CH: Channel number

**Logo**: Channel logo

Touching allows you to switch between

Content A and Content B.

- Content A: Artist Name, Song Title
- Content B: Content Info, Category Name

#### NOTE

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

#### 2 Band button

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

#### 3 Artwork

• Touch / 🔃 / 🔃 allows you to hide/display the artwork area.

#### 4 Function panel

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

#### 5 Operation keys

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

#### 6 Preset list

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

### **Storing Channels in Preset** Memory

You can store the current channel in memory.

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



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

### Preset select

You can list and select memorized channels.

#### To select from the preset list

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





### **Direct search**

You can tune in a channel directly.

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



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



#### **NOTE**

• To clear the number you entered, touch BS.

### **Category/Channel search**

You can specify the desired category and select a channel.

1 Touch Q.



2 Select a category.



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



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

#### NOTE

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

### Replay

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

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



#### 

Press to skip to the previous/next track.
Press and hold to rewind or fast forward.

#### ■ ►II

Plays or pauses.

- Replay time bar/Play mode indicator Displays the recorded data capacity and playback position.
- ▶, ▶▶, etc.: Current play mode indicator

#### To return to live music/content

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

### SiriusXM Setup

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





- SiriusXM SETUP screen appears.
   See the following sections for each setting.
- Set up the Parental Code (P.28)
- Set up the Parental Control (P.28)
- Set up the Parental Lock Channel (P.29)
- Set up the skip channel select (P.29)
- Reset to the default settings (P.30)

#### Parental code

You can set a SiriusXM parental code for Parental Control.

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

#### NOTE

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



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



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

### Parental Control

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

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

Locks only the selected channels.

#### ■ Mature

Locks channels classified as "mature" only.

#### ■ OFF

Deactivates the parental mature and user locks.

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

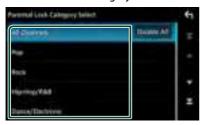
#### When selecting User

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

- Touch Parental Lock Channel Selection on the SiriusXM SETUP screen.
  - ➤ Parental Lock Code screen appears.

#### NOTE

- You need to set up a parental code beforehand as stated in *Parental code* (*P.28*).
- 2 Enter the parental code you originally input as stated in *Parental code (P.28)* and touch **Enter**.
  - ➤ Parental Lock Category Select screen appears.
- 3 Touch the desired category in the list.



➤ Displays all channels in the selected category.

#### **NOTE**

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

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

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



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

### Skip channel select

You can set the undesired channels to skip.

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



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



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

#### SiriusXM®

#### NOTE

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

### Reset

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

### **Bluetooth Control**

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

# Information for using Bluetooth® devices



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

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

#### NOTE

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

# About the cell-phone and Bluetooth audio player

This unit conforms to the following Bluetooth specifications:

Version

Bluetooth Ver 5.0

Profile

Cell-phone:

HFP (Hands Free Profile)

PBAP (Phonebook Access Profile)

Audio player:

A2DP (Advanced Audio Distribution Profile)

AVRCP (Audio/Video Remote Control Profile)

Sound codec

SBC, AAC

#### NOTE

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

### **Register the Bluetooth device**

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

You can register up to 7 Bluetooth devices.

#### **NOTE**

- Up to 7 Bluetooth devices can be registered. If an attempt is made to register the 8th Bluetooth device, the Bluetooth device connected on the earliest date will be deleted to register the 8th one.
- 1 Turn on the Bluetooth function on your smartphone/cell-phone.
- 2 Search the unit ("KW-M\*\*\*\*") from your smartphone/cell-phone.
- **3** Operate your smartphone/cell-phone according to the displayed messages.
  - Confirm the request on the smartphone/cell-phone.





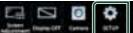
■ If a PIN code is required, enter the PIN code ("0000").

#### 4 Touch Yes.

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

### **Connection Setup**

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





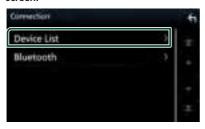
- ➤ SETUP Menu screen appears.
- 3 Touch Connection.



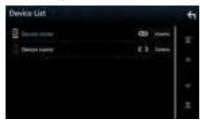
- ➤ Connection screen appears. See the following section for each setting.
- Connect the Bluetooth device (P.33)

### Connect the Bluetooth device

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



2 Touch so you want to connect.

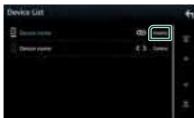


#### NOTE

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

# To delete the registered Bluetooth device

1 Touch RAW.



- ➤ Confirmation message appears.
- 2 Touch Yes.

# Playing Bluetooth Audio Device

Most function can be controlled from the source control screen.

To enter Bluetooth source, touch

**Bluetooth Audio** icon in the source selection screen. (P.10)

### Bluetooth basic operation

#### Control screen



### 1 藤 / 墓屋

- IREPEATS THE CUTTENT TRACK/FOLDER. Each time you touch the key, repeat mode switches in the following sequence; File repeat (), Folder repeat (), All songs repeat (), Repeat off ()
- Each time you touch the key, random mode switches in the following sequence;
  All random ( ), Random off ( )
- Operations and display indications may differ according to their availability on the connected device.

### 2 Information display \*

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

### 3 Operation keys \*

- Q: Searches file. See File search (P.34).
- Id ►►I: Searches the previous/next content. Touch and hold to fast forward or fast backward.
- ►: Plavs.
- **II**: Pauses.
- Touch to mute or not to mute.
- 🗐 : Displays the Device List screen. (P.33)

#### 4 Play mode indicator/ Playing time

- Touch / A allows you to hide/display the artwork area.
- ▶, III: Current play mode indicator
   The meanings of each icon are as follows;
   ▶ (play), ▶► (fast forward), ◄◄ (fast backward), III (pause).
- \* These items appear only when the audio player which supports AVRCP profile is connected.

#### NOTE

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

#### File search

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



When you touch a folder its contents are displayed.

Touch desired item from the content list.Playback starts.

#### **NOTE**

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

### **Using Hands-Free Unit**

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

#### NOTE

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

### Make a call

1 Touch .



➤ Hands Free screen appears.

#### **NOTE**

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

### 2 Select a dialing method.



- 🛂 : Call using call records
- 🔳 : Call using the phonebook
- 🏚 : Call using the preset number
- 🔛 : Call by entering a phone number
- W: Voice Recognition (P.36)
- Device List

#### Device List

1) Touch 🌉.

Device List screen appears.

#### NOTE

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

### Call using call records

1 Touch





### Call by entering a phone number

1 Touch

2 Enter a phone number with number keys.



3 Touch .

#### Call using the preset number

1 Touch





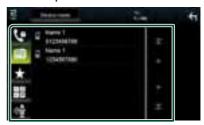
### Call using the phonebook

1 Touch

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



3 Select the phone number from the list.



#### NOTE

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

#### **Bluetooth Control**

### **■** 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.



➤ Voice Recognition screen appears.

#### 2 Start speaking.

#### NOTE

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

### Receive a call

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



#### **NOTE**

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

#### To end call

1 While talking, touch

## Operations during a call



#### Adjust the volume of your voice

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



#### Adjust the receiver volume

Press the - or + button.



#### Output the dial tone

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

#### Switching the speaking voice output

Touching and a speaking voice output between cell-phone and speaker.

#### Call-waiting

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

## **■** Phone number preset

You can register frequently used phone numbers to this unit.

1 Touch





3 Select where to preset.



#### Delete all

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

4 Select how to preset.



#### ■ Add number from phonebook

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

#### Add number direct

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

#### Bluetooth Control

#### Delete

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

#### Phonebook transfer

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

- 1 Touch



➤ The phonebook data transmission starts.

#### **NOTE**

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

#### Phonebook deletion

- 1 Touch
  - ➤ Confirmation message appears.
- 2 Touch Yes.

## **Hands-Free Setup**

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

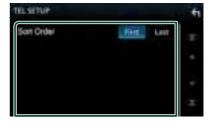
- 1 Press the FNC button.
  - > Popup menu appears.
- 2 Touch 🏶 .



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



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



#### Sort Order

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

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

7 Touch



## **Other External Components**

## **View Camera**

#### **A** CAUTION

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

#### NOTE

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

## Display the camera screen

- 1 Press the FNC button.
  - ➤ Popup menu appears.
- 2 Touch 🕮 .



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



1 Camera off

Touch to exit the camera screen.

## Camera Setup

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



- ➤ Camera screen appears.
- 4 Set each item as follows.
  - Rear Camera Message
    Always display (Default): Always displays
    the caution message on the rear camera
    interruption screen.

**Clear after 5 seconds**: Displays the caution message for about 5 seconds on the rear camera interruption screen.

#### Parking Guidelines

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

Default is "ON".

#### ■ Guidelines SETUP

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

#### To adjust the parking guidelines

#### **NOTE**

- Install the rear view camera in the appropriate position according to the instructions supplied with the rear view camera.
- When adjusting the parking guidelines, make sure to use the parking brake to prevent the car from moving.
- 1 Touch ON of Parking Guidelines in the Camera screen. (P.39)
- 2 Touch **Guidelines SETUP** in the Camera screen.
- 3 Adjust the parking guidelines by selecting the R mark.



4 Adjusting the position of the selected mark.



Make sure that a and b are horizontally parallel, and that c and d are the same length.

#### NOTE

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

## **Maestro Features Operation**

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

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



- Displays the control screen of the Bluetooth Hands-Free function provided for the vehicle.
- Displays vehicle information such as tire pressure, battery voltage, check engine codes.
- Display and control the OEM satellite radio.
- Display and control the OEM media player.
- Displays the control screen of the Bluetooth streaming source provided for the vehicle.
- Display and controls the radar detector.
- Displays information from the vehicle data lines, such as speedometer and fuel economy.
- Displays information about the status of the climate control system in the vehicle.
- Displays information from the vehicle's parking sensors.

## **Other External Components**

#### NOTE

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

www.idatalink.com/

## Setting Up

## **Monitor Screen Setup**

You can adjust image quality in video screen.

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



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



- Backlight
- Contrast
- Brightness
- Color
- Tint
- Aspect

Select screen mode.

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

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

Normal: Display with 4:3 ratio.

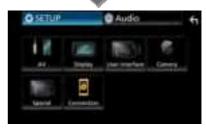
#### NOTE

• Adjusting items are different depending on the current source.

## **System Setup**

- 1 Press the **FNC** button.
  - > Popup menu appears.
- 2 Touch 🏶





- ➤ See the following section for each setting.
- Set up AV (P.45)
- Set up display (P.44)
- Set up the user interface (P.43)
- Set up camera (P.39)
- Set up special (P.43)
- Set up Connection (P.32)

## **User Interface Setup**

You can setup user interface parameters.

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



- ➤ User Interface screen appears.
- 4 Set each item as follows.
  - Beep

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

#### Language

Selects a language.

#### Parking Assist Display

When the iDatalink Maestro (commercially available) is connected, you can display information about obstacles around the car.

**ON**: Always displays information.

**Dvn.**: Displays information when the sensor detects obstacles

**OFF** (Default): Cancels this function. This can be set when the iDatalink Maestro (commercially available) is connected.

#### ■ Parking Assist Position

If you select **ON** or **Dyn.** for Parking Assist Display, select the position of car illustration.

"Left" / "Right" (Default)

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

#### ■ Time Format

Select the time display format.

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

- Clock
- Daylight Saving
- Time Zone
- Clock Adjust

You can set the date and time

## **Special Setup**

You can setup Special parameters.

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



- Special screen appears.
- 4 Set each item as follows.
  - DFMO

Set the demonstration mode. Default is "ON".

#### ■ Product Info

Displays the product information. Check the serial number of this unit.

#### Software Information

Check the software version of this unit. (P.43)

#### Open Source Licenses

Displays the open source licenses.

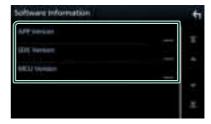
#### Initialize

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

## Software Information

Check the software version of this unit

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



## **Display Setup**

- 1 Press the FNC button.
  - ➤ Popup menu appears.
- **2** Touch 🦥 .
  - ➤ SETUP screen appears.
- 3 Touch Display.



- ➤ Display screen appears.
- 4 Set each item as follows.
  - Dimmer

Select dimmer mode.

**OFF**: The display and buttons do not dim.

**ON**: The display and buttons dim.

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

#### OSD Clock

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

"ON" (Default)/"OFF"

#### ■ Wallpaper Customize

Changing wallpaper image. (P.44)

## ■ Change wallpaper image

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



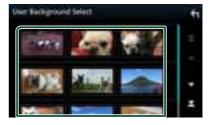
- \*1 Select an original image in advance.
- \*2 This function is available once MirrorAPP+ is installed on your iPhone or Android smartphone. See the description of the application for details.

#### To register original image

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

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

- 1 Touch **User Select** in the wallpaper screen.
- 2 Select the image to load.



3 Touch Enter.



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

#### **NOTE**

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

## **AV Setup**

You can set AV parameters.

#### 1 Press the FNC button.

➤ Popup menu appears.

## 2 Touch

> SETUP screen appears.

#### 3 Touch AV.



➤ AV screen appears.

#### 4 Set each item as follows.

#### AV-OUT

Specify whether to output the current source signal from the VIDEO OUT terminal.

"ON "/" OFF " (Default)

#### NOTE

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

#### Driving Position

Select the position of the control bar (left or right) shown on the touch panel.

"Left" (Default)/"Right"

#### **NOTE**

 The setting is available when an iPhone is disconnected.

#### Reverse with ATT

When the gear is shifted to the reverse (R) position, the volume of the device is adjusted.

"ON"(Default) / "OFF"

#### ■ Guidance Volume

Adjust the level of guidance volume. Default is "15"

#### ■ Voice Recognition Volume

Adjust the level of voice recognition volume. Default is "15"

#### ■ Phone Incoming Volume

Adjust the level of phone incoming volume. Default is "15"

#### ■ Phone Calling/Talking Volume

Adjust the level of phone calling/talking volume. Default is "15"

#### ■ Speech Quality Adjust

Adjust the speech quality.

**Microphone Level**: Adjust the level of microphone gain.

**Echo Cancel Level**: Adjust the level of echo cancellation

Noise Reduction Level: Reduce the noise generated in the surrounding environment without changing the microphone volume. Use this function when the voice of caller is not clear.

#### ■ Maestro SETUP

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

#### ■ Vehicle Feature Settings

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

## **Connection Setup**

- 1 Press the FNC button.
  - ➤ Popup menu appears.
- 2 Touch 🌺 .
  - ➤ SETUP Menu screen appears.
- 3 Touch Connection.



- ➤ Connection screen appears.
- 4 Touch Bluetooth.
  - ➤ Bluetooth screen appears.
- **5** Set each parameter as follows.
  - Bluetooth Device Name

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

■ PIN Code

Display the PIN code.

■ Bluetooth MAC Address

Display the MAC address.

#### Auto Response \*

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

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

20/25/30: Sets the ringing time (second).

#### **■ TEL SETUP**

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

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

## ■ Change the device name for Bluetooth

- 1 Touch **Device Name** on the Connection screen.
  - ➤ Change Device Name screen appears.
- 2 Touch 🔯 .
- 3 Input the device name.



4 Touch Enter.

## **Controlling Audio**

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

- Press the FNC button.
  - > Popup menu appears.
- 2 Touch





- > See the following section for each settina.
- Set up speaker/ X'over (P.47)
- · Controlling equalizer (P.49)
- Set listening position/ DTA (P.51)
- · Controlling general audio (Fader / Balance) (P.48)
- Set volume offset (P.50)
- Set sound effect (P.50)

## Speaker/ X'over setup

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



4 Select a car type.

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

If your car type is selected, the Delay Time Alignment is set automatically (for timing adjustment of sound output for each channel) to have the highest surround effects



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



#### Speaker

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

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

■ Location (Only for Front, Rear)

Select the speaker position you have fixed.

#### **Controlling Audio**

#### ■ Tweeter (Only for Front)

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

None, Small, Medium, Large

#### X'over

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

For details, see **Crossover network setup** (P.48)

## Crossover network setup

You can set a crossover frequency of speakers.

1 Touch X'over.



2 Touch the speaker to set.



3 Set each item as follows.



#### ■ HPF FREO

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

#### ■ LPF FREQ

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

#### ■ Slope \*1

Sets a crossover slope.

#### ■ Gain

Adjusts the front speaker, rear speaker, or subwoofer level.

#### ■ TW (Tweeter) Gain \*2

Adjusts the tweeter level. (When front is selected on Speaker Select screen)

#### ■ Phase Inversion \*3

Sets the phase of subwoofer output.

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

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

## **Controlling General Audio**

- 1 Press the FNC button.
  - ➤ Popup menu appears.
- 2 Touch 🥨
  - ➤ Audio screen appears.
- 3 Touch Fader / Balance.



4 Set each item as follows.



#### ■ Fader / Balance

Adjust the volume balance around the touched area.

- $\blacktriangleleft$  and  $\blacktriangleright$  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 FNC button.
  - ➤ Popup menu appears.
- 2 Touch
  - ➤ Audio screen appears.
- 3 Touch Equalizer.



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



#### ALL SRC

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

#### ■ Gain level (dotted frame area)

Adjust the gain level by touching the each frequency bar.

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

#### ■ Preset Select

Displays the screen to recall the preset equalizer curve.

#### Initialize

The current EQ curve returns to flat.

#### Memory

Saves the adjusted equalizer curve from "User1" to "User3".

#### ■ Bass EXT (Bass Extend Settings)

When turned on, the frequency lower than 62.5 Hz is set to the same gain level as 62.5 Hz.

#### SW Level

Adjusts the subwoofer volume.

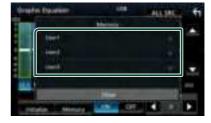
## Recall the EQ curve

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



### Save the EQ curve

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



## **Volume Offset**

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

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



f 4 Touch + or - to adjust the level.



#### Initialize

Returns to the initial settings.

## **Sound Effect**

You can set sound effects

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



4 Set each item as follows.



#### ■ Bass Boost

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

#### Loudness

Sets the amounts of boost of low and high tones.

"OFF", "Low", "High"

#### ■ Built-in AMP

Turn ON/OFF the built-in amplifier.

When an external power amplifier is connected, stopping the current flowing to the built-in amplifier will reduce heat generation and produce better sound.

" OFF ", " ON "

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

## **Listening Position/DTA**

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

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



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



#### **Position DTA control**

You can fine-adjust your listening position.

- 1 Touch Adjust.
- 2 Touch Delay.
- **3** Touch **◄** or **▶** to adjust the delay time of the selected speaker.



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



#### **NOTE**

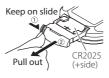
 To return to the initial setting of Delay and Level, touch Initialize and Yes in the confirmation screen.

## **Remote control**

This unit can be operated using the remote control RM-RK259 (optional accessory).

## Changing the battery of the remote control unit

- Use a commercially available button battery (CR2025).
- Insert the battery with the + and – poles aligned properly.



#### **A WARNINGS**

• Do not ingest the battery, Chemical Burn Hazard

The remote control supplied with this product contains a coin/button cell battery. If the coin/button cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

Keep new and used batteries away from children. If the battery compartment does not close securely, stop using the product and keep it away from children.

If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

#### **A** CAUTION

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

## Functions of the Remote control Buttons



Key Name	Function		
SRC	Switches to the source to be played. In hands-free mode, hangs up the phone.		
VOL + -	Adjusts the volume.		
ATT	Mutes/restores the sound.		
DISP	Switches the screen between the current source and the App screen from the connected iPhone/Android.		
FM/ ▲ AM/ ▼	During tuner source, select FM/ AM band to be received. For the SiriusXM source, selects the band to be received		
<b>       </b>	Selects the track or file to be played. For the tuner and SiriusXM sources, switches to broadcast stations received by the unit.		
<b>►/II</b>	For the tuner, switches the seek mode. For the USB, BT audio, Plays or pauses.		
ANGLE	Not used.		
•	When a call comes in, answers the call.		
DIRECT	Switches to the direct search mode. For details on the direct search mode, see <i>Direct search mode (P.53)</i> .		
ASPECT	Changes the aspect ratio.		

Key Name	Function
Numeric Keypad	Specifies the number to search in direct search. For details on the direct search mode, see <i>Direct search mode (P.53)</i> .
CLR	Deletes a character while in direct search mode.
ENT	Performs the selected function.

### **■** Direct search mode

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

#### **NOTE**

• This operation cannot be performed for USB device.

#### 1 Press the **DIRECT** button.

The available contents are different depending on the source type.

#### **■** Tuner

Frequency value

#### ■ SiriusXM

Channel number

- 2 Enter the number of the content you want to play using the numeric keypad.
- 3 Press the ENT button to confirm the entry.

## **Connection/Installation**

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

## **Before Installation**

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

#### WARNINGS

- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the battery wire (yellow). The power supply must be connected to the wires via the fuse.
- When wiring wires, be sure to wrap insulating tape, to protect the insulation, around wires where they contact metal parts. Failure to do so may result in fire or electric shock.

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

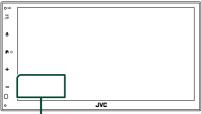
#### NOTE

- Mounting and wiring this product requires skills and experience. For best safety, leave the mounting and wiring work to professionals.
- Make sure to ground the unit to a negative 12V DC power supply.
- Do not install the unit in a spot exposed to direct sunlight or excessive heat or humidity. Also avoid places with too much dust or the possibility of water splashing.

- Do not use your own screws. Use only the screws provided. If you use the wrong screws, you could damage the unit.
- If the power is not turned ON ("There is an error in the speaker wiring. Please check the connections." is displayed), the speaker wire may have a short-circuit or touched the chassis of the vehicle and the protection function may have been activated. Therefore, the speaker wire should be checked.
- If your car's ignition does not have an ACC position, connect the ignition wires to a power source that can be turned on and off with the ignition key. If you connect the ignition wire to a power source with a constant voltage supply, such as with battery wires, the battery may be drained.
- If the console has a lid, make sure to install the unit so that the front panel will not hit the lid when closing and opening.
- If the fuse blows, first make sure the wires aren't touching to cause a short circuit, then replace the old fuse with one with the same rating.
- Insulate unconnected wires with vinyl tape or other similar material. To prevent a short circuit, do not remove the caps on the ends of the unconnected wires or the terminals.
- Connect the speaker wires correctly to the terminals to which they correspond. The unit may be damaged or fail to work if you share the 

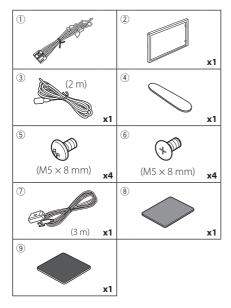
  wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect the connectors either to both the front output terminals or to both the rear output terminals (do not mix front and rear). For example, if you connect the ⊕ connector of the left speaker to a front output terminal, do not connect the ⊖ connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Do not press hard on the panel surface when installing the unit to the vehicle. Otherwise scars, damage, or failure may result.

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



Bluetooth antenna unit

### Supplied accessories for installation



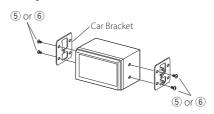
## Installation procedure

- 1) To prevent a short circuit, remove the key from the ignition and disconnect the  $\bigcirc$ 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) Press the reset button.

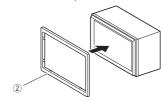
## Installing the unit

## Japanese cars



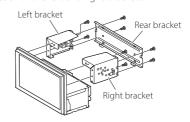
## Trim plate

1) Attach accessory ② to the unit.



## 1DIN install

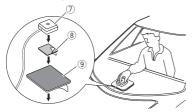
You can install the unit in a 1DIN size space by removing the right, left, and rear brackets. Remove the four black screws from the rear bracket, then remove two black screws from each of the left and right brackets.



#### GPS antenna

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

- 1) Clean your dashboard or other mounting surface.
- 2) Remove the separator of the metal plate (accessory (9)).
- 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) Peel off the backing paper of the doublesided tape (accessory ®) and use it to attach the GPS antenna (accessory ⑦) and metal plate (accessory ⑨).

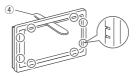


#### NOTE

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

## Removing the trim plate

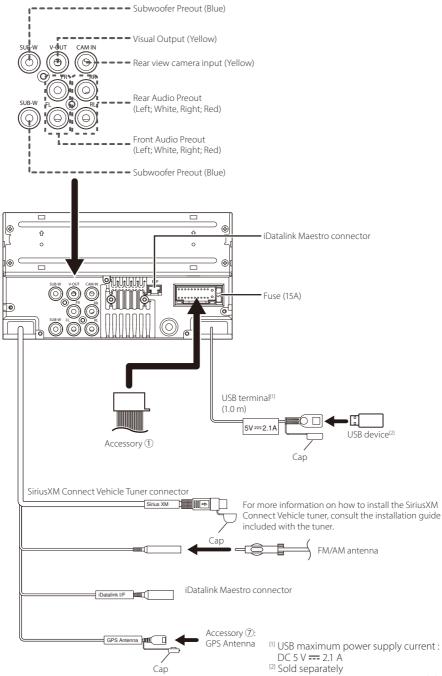
1) Insert the extraction key (accessory (4)) between the trim plate and the main unit from between the claws.

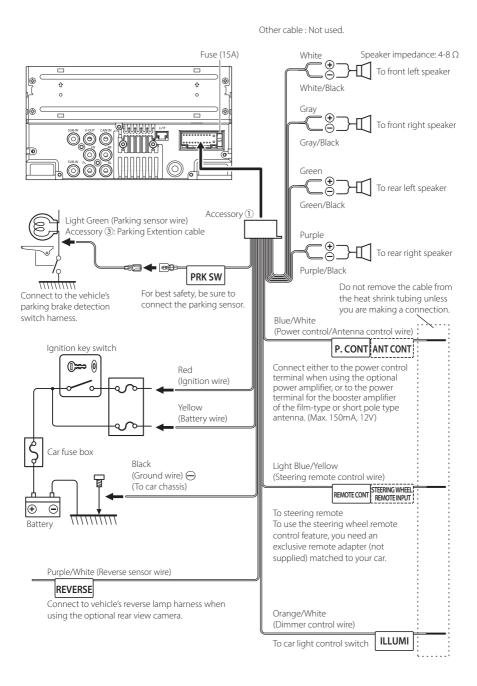


2) Pull the plate out towards yourself.

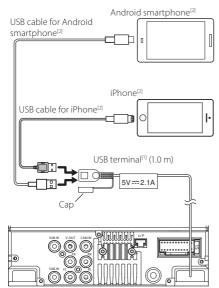


## Connecting wires to terminals





## Connecting an iPhone/Android



<sup>[1]</sup> USB maximum power supply current :

DC 5 V === 2.1 A

<sup>[2]</sup> Sold separately

## **Troubleshooting**

## **Problems and Solutions**

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

#### NOTE

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

## About settings

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

Subwoofer is not set to on.

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

## About audio operations

#### Radio reception is poor.

The car antenna is not extended.

> Pull out the antenna all the way.

The antenna control wire is not connected.

 Connect the wire correctly. See Connecting wires to terminals (P.57).

#### Cannot select a folder.

The random play function is enabled.

> Turn off the random function.

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

The recording condition is bad.

> Record the file again or use another USB memory.

## Other

#### The Touch Sensor Tone doesn't sound.

The preout jack is being used.

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

## **Error Messages**

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

#### No Device (USB device)

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

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

#### Disconnected (Bluetooth audio player)

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

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

#### No Media file

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

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

## ■ SiriusXM

#### Check Tuner

A SiriusXM tuner is not connected to this unit.

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

#### Subscription Updated - Press Return To Continue

The SiriusXM subscription has been renewed.

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

#### Channel \*\*\* Not Available

The currently selected channel is unavailable.

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

### Channel \*\*\* Not Subscribed /

#### Call SiriusXM to Subscribe

The currently selected channel is not subscribed to.

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

#### Check Antenna

No antenna is connected to the SiriusXM tuner.

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

#### No Signal

No SiriusXM radio signal is received.

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

#### Channel \*\*\* Locked /

#### Please Enter the Lock Code \_ \_ \_ \_

The selected channel has been locked by the parental controls.

➤ Enter the unlock code when you are asked. See

#### Parental Control (P.28).

#### Incorrect Pass Code entered

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

> Enter the correct lock code.

## **Appendix**

## **Playable Media and Files**

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

#### About files

The following audio and video files are supported.

### ■ Playable Audio files

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

#### NOTE

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

#### ■ Acceptable Video files

	Profile	Max. Picture size	Max. bit rate	Audio format
MPEG-1 (.mpg, .mpeg)	_	352 × 240, 352 × 288	1.5 Mbps	MPEG Audio Layer 2
MPEG-2 (.mpg, .mpeg)	MP@ML	720 × 480, 720 × 576	8 Mbps	MPEG Audio Layer 2
H.264/MPEG-4 AVC (.mp4, .m4v, .avi, .flv)	Baseline Profile, Main Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
MPEG-4 (.mp4, .avi)	Advanced Simple Profile	1920 × 1080 (30 fps)	8 Mbps	MP3, AAC
WMV (.wmv)	Main Profile	1920 × 1080 (30 fps)	8 Mbps	WMA
MKV (.mkv)	Video Format follows H.26	54/MPEG-4 AVC, MPEG-4		MP3, AAC

#### ■ Limitation of structure for the file and the folder.

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

#### **NOTE**

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

## **Specifications**

#### ■ Monitor section

Picture Size

: 6.8 inches (diagonal) wide

Display System

: Transparent TN LCD panel

Drive System

: TFT active matrix system

Number of Pixels

: 1,843,200 (1024H × 600V × RGB)

Effective Pixels

: 99.99%

Pixel Arrangement

: RGB striped arrangement

Back Lighting

: LED

#### ■ USB interface section

USB Standard

: USB 2.0 High Speed

File System

: FAT 16/32, exFAT, NTFS

Maximum Power Supply Current

: DC 5 V ... 2.1 A

D/A Converter

: 24 bit

Audio Decoder

: MP3/ WMA/ AAC/ WAV/ FLAC

Video Decoder

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

Frequency Response

• 192 kHz: 20 – 20,000 Hz

• 96 kHz: 20 – 20,000 Hz

• 48 kHz: 20 – 20,000 Hz

• 44.1 kHz: 20 – 20,000 Hz

Total Harmonic Distortion

: 0.2% (1 kHz)

Signal to Noise Ratio

: 75 dB

Dynamic Range

: 75 dB

#### ■ Bluetooth section

Technology

: Bluetooth Ver. 5.0

Frequency

: 2.402 - 2.480 GHz

Maximum Communication range

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

Audio Codec

: SBC/ AAC

Profile (Multi Profile support)

· HFP (Hands Free Profile) 1.8

A2DP (Advanced Audio Distribution Profile) 1.3

· AVRCP (Audio/Video Remote Control Profile) 1.6

· PBAP (Phonebook Access Profile) 1.2

#### ■ DSP section

Graphics equalizer

Band: 13 Band

Frequency (BAND1 - 13)

: 62.5/ 100/ 160/ 250/ 400/ 630/ 1k/ 1.6k/ 2.5k/ 4k/

6.3k/ 10k/ 16k Hz

Gain

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

+1/+2/+3/+4/+5/+6/+7/+8/+9 dB

2Way X'Over

High pass filter

Frequency: Through, 30/40/50/60/70/80/90/ 100/120/150/180/220/250 Hz

Slope: -6/ -12/ -18/ -24 dB/ Oct.

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

Low pass filter

Frequency: 30/40/50/60/70/80/90/100/120/

150/ 180/ 220/ 250 Hz, Through

Slope: -6/ -12/ -18/ -24 dB/ Oct.

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

#### Position

#### Front / Rear / Subwoofer Delay

: 0 - 20.01 ft (0.03 or 0.04 ft Step)

Gain

: -8 – 0 dB

Subwoofer level

:-40 - +6 dB

#### **Appendix**

#### ■ FM tuner section

Frequency Range (step)

: 87.9 MHz - 107.9 MHz (200 kHz)

Usable Sensitivity (S/N: 30 dB)

: 16.2 dBf (1.8 μV/75 Ω)

Frequency Response (± 3.0 dB)

: 30 Hz - 14 kHz

S/N (dB)

: 50 dB (MONO)

Stereo Separation

: 35 dB (1 kHz)

#### ■ AM tuner section

Frequency Range (step)

: 530 - 1700 kHz (10 kHz)

Usable Sensitivity

: 99 µV (40 dBµ)

#### ■ Video section

Color System of External Video Input

: NTSC/ PAL

External Video Input Level (RCA jack)

: 1 Vp-p/ 75  $\Omega$ 

Video Output Level (RCA jack)

: 1 Vp-p/ 75 Ω

#### ■ Audio section

Maximum Power Output (Front & Rear)

:50 W × 4

Full Bandwidth Power (at less than 1% THD)

: 22 W × 4

Output Frequency Band

: 20 - 20,000 Hz

Preout Level (V)

: 2.5 V/ 10 kO

Preout Impedance

: 1.4 kΩ

Speaker Impedance

:4-8 Q

#### ■ General

Operating Voltage

: 12V DC Car Battery

Main Unit Installation size (W  $\times$  H  $\times$  D)

: 178 × 100 × 86 mm

 $7-1/16 \times 3-15/16 \times 3-3/8$  inch

Weight

: 1.07 kg (2.41 lbs)

(Including Trim plate)

#### **NOTE**

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

Specifications subject to change without notice.

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libFLAC

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libvorbis

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#### NOTE

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

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

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

Operation is subject to the following two conditions:

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

#### **A** CAUTION

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

#### Supplier's Declaration of Conformity

Trade Name: JVC

Products: MONITOR WITH RECEIVER

Model Name: KW-M695BW

Responsible Party: JVCKENWOOD USA

CORPORATION

4001 Worsham Avenue, Long Beach, CA 90808, U.S.A. PHONE: 1-800-252-5722

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- (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
- (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

#### **CALIFORNIA, USA ONLY**

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

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

#### **Appendix**

■ 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)



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

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