



# KW-V620BT

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## MONITOR WITH DVD RECEIVER INSTRUCTION MANUAL

JVCKENWOOD Corporation



# CONTENTS

<b>BEFORE USE</b> .....	<b>2</b>	<b>BLUETOOTH</b> .....	<b>28</b>
How to reset your unit.....	3	<b>SETTINGS</b> .....	<b>37</b>
<b>INITIAL SETTINGS</b> .....	<b>4</b>	Settings for using applications of iPod/iPhone/ Android.....	37
Initial setup.....	4	Sound adjustment .....	39
Calendar/Clock settings.....	4	Adjustment for video playback.....	40
<b>BASICS</b> .....	<b>5</b>	Changing the display design.....	42
Component names and functions .....	5	Customizing the Home screen.....	43
Common operations.....	5	Customizing the system settings.....	44
Common screen operations.....	6	Setting menu items.....	45
Selecting the playback source.....	8	<b>REMOTE CONTROLLER</b> .....	<b>48</b>
Using the pop-up short-cut menu.....	9	<b>CONNECTION/INSTALLATION</b> .....	<b>50</b>
<b>DISCS</b> .....	<b>10</b>	<b>REFERENCES</b> .....	<b>56</b>
<b>USB</b> .....	<b>15</b>	Maintenance .....	56
<b>iPod/iPhone</b> .....	<b>17</b>	More information .....	56
<b>APPS</b> .....	<b>20</b>	Error message list .....	60
<b>TUNER</b> .....	<b>21</b>	Troubleshooting.....	61
<b>OTHER EXTERNAL COMPONENTS</b> .....	<b>25</b>	Specifications.....	63
Using external audio/video players—AV-IN .....	25		
Using the rear view camera.....	25		
Using a smartphone—HDMI/MHL.....	27		
Using an external monitor— Rear Source .....	27		

## How to read this manual:

- The displays 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 displays or panels.
- This manual mainly explains operations using the buttons on the monitor panel and touch panel. For operations using the remote controller (RM-RK258: separately purchased), see page 49.
- < > indicates the various screens/menus/operations/settings that appear on the touch panel.
- [ ] indicates the buttons on the touch panel.
- **Indication language:** English indications are used for the purpose of explanation. You can select the indication language from the <Settings> menu. (Page 47)
- Updated information (the latest Instruction Manual, system updates, new functions, etc.) is available from <<http://www.jvc.net/cs/car/>>.

# BEFORE USE

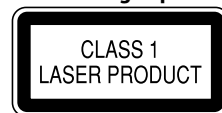
## IMPORTANT

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

### ⚠ **WARNINGS: (To prevent accidents and damage)**

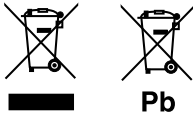
- DO NOT install any unit or wire any cable in a location where;
  - it may obstruct the steering wheel and gearshift lever operations.
  - it may obstruct the operation of safety devices such as air bags.
  - it may obstruct visibility.
- DO NOT operate the unit while driving. If you need to operate the unit while driving, be sure to look around carefully.
- The driver must not watch the monitor while driving.

### The marking of products using lasers



The label is attached to the chassis/case and says that the component uses laser beams that have been classified as Class 1. It means that the unit is utilizing laser beams that are of a weaker class. There is no danger of hazardous radiation outside the unit.

## BEFORE USE



### Information on Disposal of Old Electrical and Electronic Equipment and Batteries (applicable for countries that have adopted separate waste collection systems)

Products and batteries with the symbol (crossed-out wheeled bin) cannot be disposed as household waste.

Old electrical and electronic equipment and batteries should be recycled at a facility capable of handling these items and their waste byproducts. Contact your local authority for details in locating a recycle facility nearest to you.

Proper recycling and waste disposal will help conserve resources whilst preventing detrimental effects on our health and the environment.

Notice: The sign "Pb" below the symbol for batteries indicates that this battery contains lead.

### For Israel

מידע בדבר השלכה לאשפה של ציוד חשמלי ואלקטרוני ישן וכן סוללות (רלוונטי למדינות שמשמשות במערכת איסוף אשפה מופרדת).

לא ניתן להשליך מוצרים וסוללות עם הסימון (פח אשפה עם X עליו) כאשפה ביתית רגילה. יש למחזר ציוד חשמלי ואלקטרוני ישן וכן סוללות במתקן המסוגל לטפל בפריטים כאלה ובתוצרי הלוואי שלהם.

צרו קשר עם הרשות המקומית לקבלת פרטים אודות מתקן המיחזור הקרוב אליכם. מיחזור והשלכה לאשפה נאותים יעזרו לשמר משאבים ולמנוע השפעות שליליות על בריאותנו ועל הסביבה.

שימו לב: הסימון Pb שמתחת לסימון עבור סוללות מצייין שהסוללה מכילה עופרת.

### ⚠ Cautions on the monitor:

- The monitor built into this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not considered defective.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with a sharp tip.  
Touch the buttons on the touch panel with your finger directly (if you are wearing a glove, take it off).
- When the temperature is very cold or very hot...
  - Chemical changes occur inside, causing malfunction.
  - Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

### For safety...

- Do not raise the volume level too much, as this will make driving dangerous by blocking outside sounds, and may cause hearing loss.
- Stop the car before performing any complicated operations.

### Temperature inside the car...

If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

### 🔧 How to reset your unit

If the unit fails to operate properly, press the reset button.



# INITIAL SETTINGS

## Initial setup

When you power on the unit for the first time or reset the unit, the initial setting screen appears.

- You can also change the settings on the **<Settings>** screen. (Page 45)

### 1 Perform the initial settings.



**<Language>**  
(Page 47)

Select the text language used for on-screen information.

- Set **<GUI Language>** to display the operation buttons and menu items in the selected language (**[Local]**) or English.

**<R-CAM Interrupt>**  
(Page 47)

Select **[ON]** when connecting the rear view camera.

**<User Customize>**  
(Page 42)

Change the display design.

**<Demonstration>**  
(Page 46)

Activate or deactivate the display demonstration.

### 2 Finish the procedure.



The Home screen is displayed.

- [AV Off]** is selected initially. Select the playback source. (Page 8)

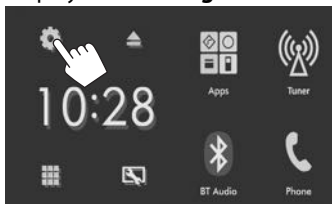
## Calendar/Clock settings

### 1 Display the Home screen.

On the monitor panel:



### 2 Display the **<Settings>** screen.

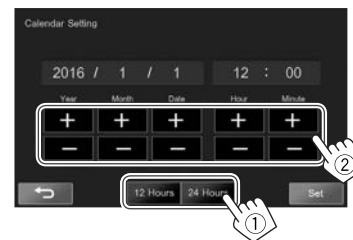


### 3 Display the **<Calendar Setting>** screen.

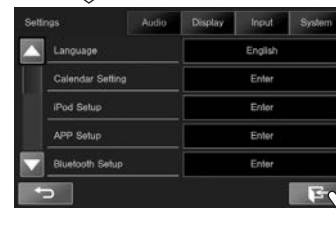


### 4 Select the time display format (①), then set the calendar and the clock time (②).

- Press **[Set]** to set the second to "00".



### 5 Finish the procedure.



- Date is displayed on the Home screen when the Home screen design below is selected on the **<User Customize>** screen. (Page 42)

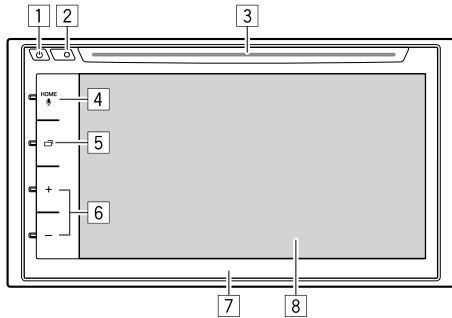


# BASICS

## Component names and functions

### ⚠ Caution on the volume setting:

Digital devices produce very little noise compared with other sources. Lower the volume before playing these digital sources to avoid damaging the speakers by sudden increase of the output level.



- 1 button
  - Turns on the power. (Press) (See the right column.)
  - Turns off the power. (Hold) (See the right column.)
  - Pops up the short-cut menu when pressed on the control screen. (Press) (Page 9)
- 2 Reset button
  - Resets the unit. (Page 3)
- 3 Loading slot

- 4 button
  - Displays the Home screen. (Press) (Page 7)
  - Activates the voice dialing. (Hold) (Page 34)
- 5 button
  - Switches the screen between the current source and the App screen from the connected iPod touch/iPhone/Android. (Press) (Page 20)
  - Turns off the screen. (Hold) (See the right column.)
  - Turns on the screen. (Hold) (See the right column.)
- 6 Volume +/- button
  - Adjusts the audio volume. (See the right column.)
- 7 Monitor panel
- 8 Screen (touch panel)

## Common operations

### ☐ Turning on the power

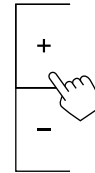


### ☐ Turning off the power



### ☐ Adjusting the volume

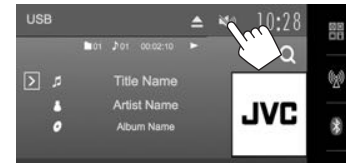
#### To adjust the volume (00 to 35)



Press + to increase, and press – to decrease.

- Holding + increases the volume continuously to level 15.

### To attenuate the sound

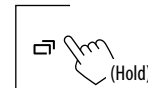


The [] button becomes blue.

**To cancel the attenuation:** Press the same button again. (The [] button becomes white.)

### ☐ Turning off the screen

On the monitor panel:



**To turn on the screen:** Press and the hold , or touch the display.

## BASICS

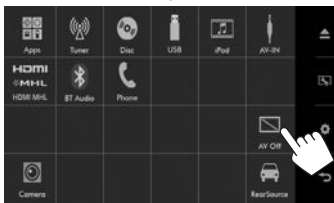
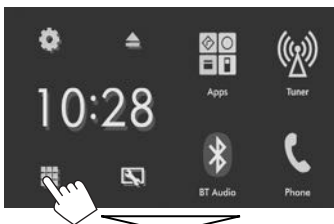
### Turning on/off the AV source

You can activate the AV function by selecting a source on the Home screen.



To select a source not displayed on the Home screen: Press [Grid]. (Page 8)

To turn off the AV source:



## Common screen operations

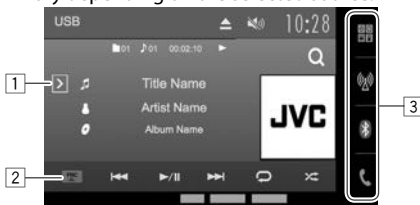
### Common screen descriptions

You can display other screens any time to change the source, show the information, or change the settings, etc.

### Source control screen

Performs source playback operations.

- The operation buttons and information displayed vary depending on the selected source.



### Common operating buttons:

- Displays the other operation button window.
- Pops up/closes the short-cut menu. (Page 9)
- Source buttons

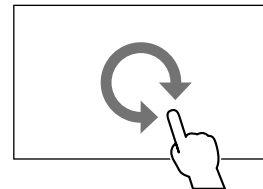
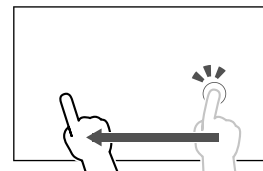
Changes the playback source. (Page 8)

- The source buttons shown on the Home screen are displayed. (Page 7)

### Gesture control on the source control screen:

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 [Up]/[Down].
- Sliding the finger towards left/right:** Functions same as pressing [Left]/[Right].
- Moving your finger clockwise or counter-clockwise:** increases/decreases the volume.



## BASICS

### Home screen

Displays the source control screen and settings screen.

- To display the Home screen, press HOME on the monitor panel.
- You can change the Home screen design on the **<User Customize>** screen. (Page 42)
- You can arrange the items to display on the Home screen. (Page 43)

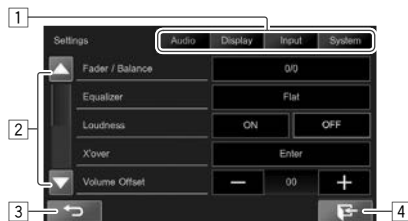


### Common operating buttons:

- 1 button: Displays the **<Settings>** screen. (See the right column.)
- 2 button: Ejects the disc. (Press) (Page 10)
- 3 Changes the playback source. (Page 9)
- 4 button: Displays all playback sources and items. (Page 8)
- 5 button: Displays the **<User Customize>** screen. (Page 42)

### <Settings> screen

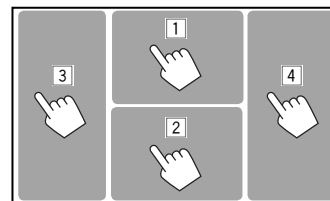
Changes the detailed settings. (Page 45)



### Common operating buttons:

- 1 Selects the menu category.
- 2 Changes the page.
- 3 Returns to the previous screen.
- 4 Displays the current source control screen.

### Touch screen operations



- 1 Displays the video control menu while playing a video.



- 2 Displays the source control screen while playing a video.



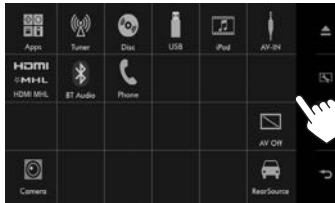
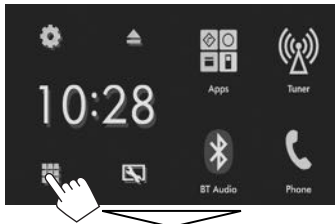
- The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.
- 3 Goes to the previous chapter/track.\*
  - 4 Goes to the next chapter/track.\*

\* Not available for video from an external component.

## BASICS

### Selecting the playback source

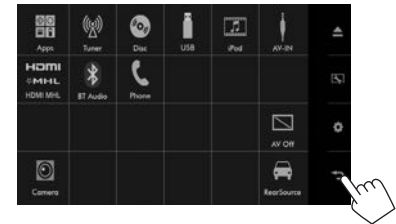
On the Home screen:



- [Apps]** Switches to the App screen from the connected iPod touch/iPhone/Android device. (Page 20)
- [Tuner]** Switches to the radio broadcast. (Page 21)
- [Disc]** Plays a disc. (Page 10)
- [USB]** Plays files on a USB device. (Page 15)
- [iPod]** Plays an iPod/iPhone. (Page 17)
- [AV-IN]** Switches to an external component connected to the AV-IN1 input terminal. (Page 25)

- [HDMI MHL]** Plays a device connected to the HDMI/MHL input terminal. (Page 27)
- [BT Audio]** Plays a Bluetooth audio player. (Page 35)
- [Phone]** Switches to the phone control screen. (Page 32)
- [AV Off]** Turns off the AV source. (Page 6)
- [Camera]** Switches to a camera connected to the rear view camera input. (Page 26)
- [RearSource]** Selects the rear source to display on the external monitor. (Page 27)

### To return to the Home screen



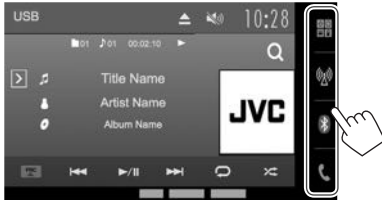


## BASICS

### ❑ Selecting the playback source on the Home screen



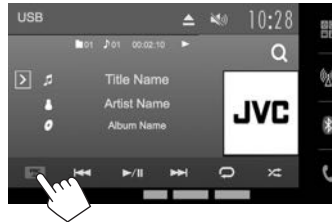
- You can change the items to display on the Home screen. (Page 43)
- You can also select the playback sources shown on the Home screen on the source control screen.



### Using the pop-up short-cut menu

While displaying the source control screen, you can jump to the other screen from the pop-up short-cut menu.

- 1 Display the pop-up short-cut menu. On the source control screen.



- You can also display the pop-up short-cut menu by pressing  $\odot$  on the monitor panel while the source control screen is displayed.

- 2 Select an item to jump to.



- [📞] Displays the phone control screen. (Page 32)
- [🗣️] Activates the voice dialing. (Page 34)
- [📊] Displays the **<Equalizer>** screen. (Page 39)
- [🖼️] Displays the picture adjustment screen. (Page 40)
- [🔧] Displays the **<User Customize>** screen. (Page 42)

**To close the pop-up menu:** Press [▼] or  $\odot$  on the monitor panel.

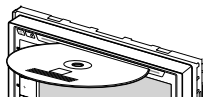
# DISCS

## Playing a disc

- If a disc does not have a disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.
- For playable disc types/file types, see page 58.

## Inserting a disc

Insert a disc with the label side facing up.



The source changes to **"DISC"** and playback starts.

- The DISC IN (DISC IN) indicator lights up while a disc is inserted.

- If "⊘" appears on the screen, the unit cannot accept the operation you have tried to do.
  - In some cases, without showing "⊘," operations will not be accepted.
- When playing back a multi-channel encoded disc, the multi-channel signals are downmixed to stereo.

## Ejecting a disc

On the Home screen:



On the source control screen:

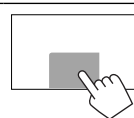


- When removing a disc, pull it horizontally.
- You can eject a disc when playing another AV source.
- If the ejected disc is not removed within 60 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.

## Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.

- To change settings for video playback, see page 40.



## Indications and buttons on the source control screen

For video playback



## Playback information

- The information displayed on the screen differs depending on the type of disc/file being played back.
- 1 Media type
  - 2 Current playback item information (title no./chapter no./folder no./file no./track no.)
  - 3 Playback status
  - 4 Playing time
  - 5 DISC IN indicator
  - 6 Audio format
  - 7 Playback mode (Page 13)

## DISCS

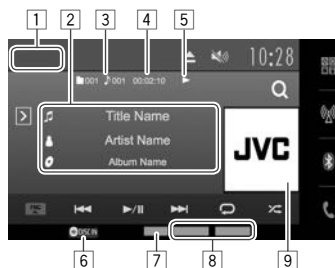
### Operation buttons

- Available buttons on the screen and operations differ depending on the type of disc/file being played back.

- [>] Displays the other operation button window.
  - To hide the window, press [◀].
- [Q] Displays the folder/track list. (Page 12)
- [FNC ▲] Displays the pop-up short-cut menu. (Page 9)
  - To close the menu, press [▼].
- [◀▶] Selects a chapter/track. (Press)
  - Reverse/forward search. (Hold)
- [▶/||] Starts/pauses playback.
- [↺] Selects Repeat playback mode. (Page 13)
- [↻] Selects Random playback mode. (Page 13)
- [MODE] Changes the settings for disc playback on the <Mode> screen. (Page 13)
- [■] Stops playback.
- [+] [-] Selects a folder.
- [◀▶] Plays in frame-by-frame.
- [Playlist] Displays the Original Program/Playlist screen.
- [PBC] Activates or deactivates the VCD PBC (Playback Control) function.

- To display all available operation buttons, press [>] to display the other operation button window.

### For audio playback



### Playback information

- The information displayed on the screen differs depending on the type of disc/file being played back.
- 1 Media type
  - 2 Track/file information
    - Touching the text scrolls it if not all of the text is shown.
  - 3 Current playback item information (folder no./file no./track no.)
  - 4 Playing time
  - 5 Playback status
  - 6 DISC IN indicator
  - 7 Audio format
  - 8 Playback modes (Page 13)
  - 9 Jacket picture (Shown while playing if the file has tag data that includes the jacket picture)

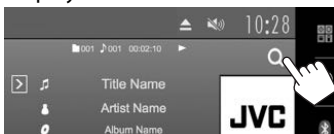
### Operation buttons

- Available buttons on the screen and operations differ depending on the type of disc/file being played back.
- [>] Displays the other operation button window.
    - To hide the window, press [◀].
  - [Q] Displays the folder/track list. (Page 12)
  - [FNC ▲] Displays the pop-up short-cut menu. (Page 9)
    - To close the menu, press [▼].
  - [◀▶] Selects a track. (Press)
    - Reverse/forward search. (Hold)
  - [▶/||] Starts/pauses playback.
  - [↺] Selects Repeat playback mode. (Page 13)
  - [↻] Selects Random playback mode. (Page 13)
  - [MODE] Changes the settings for disc playback on the <Mode> screen. (Page 13)
  - [■] Stops playback.
  - [+] [-] Selects a folder.
- To display all available operation buttons, press [>] to display the other operation button window.

## DISCS

### ❑ Selecting a folder/track on the list

#### 1 Display the folder/track list.



#### 2 Select the folder (①), then the item in the selected folder (②).

- Repeat the procedure until you select the desired track.

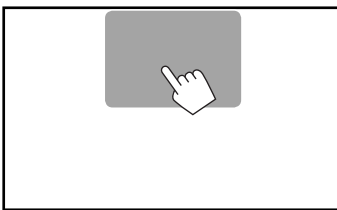


- You can change the page to display more items by pressing [▲]/[▼].
- Press [⌂] to open the folder containing the current track.
- Press [↶] to return to the root folder.
- Press [↷] to return to the upper layer.

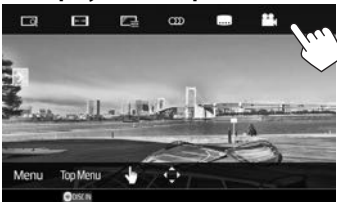
### ❑ Video menu operations

You can display the video menu screen during video playback.

- The operation buttons disappear when the screen is touched or when no operation is done for about 5 seconds.



#### For video playback except VCD



- Available buttons on the screen and operations differ depending on the type of disc/file being played back.



Displays the picture size selection screen. (Page 41)



Selects the aspect ratio. (Page 41)



Displays the picture adjustment screen. (Page 40)



Selects the audio type.

- For DVD-VR: Selects the audio channel (ST: stereo, L: left, R: right).



Selects the subtitle type.



Selects the view angle.



Switches to the direct disc menu mode. Touch the target item to select.

- To exit the menu selection screen, press [↶].



Displays the menu/playlist/original program/scene selection screen.

- [▲] [▼] [◀] [▶]: Selects an item.
- **[Enter]**: Confirms the selection.
- **[Return]**: Returns to the previous screen.
- [↶]: Displays the menu screen of the top layer when several menu screens exist on the disc.
  - For DivX: Exits the scene selection screen.

**[Menu]**

Displays the disc menu.

**[Top Menu]**

Displays the disc menu (DVD).

# DISCS

## For VCD

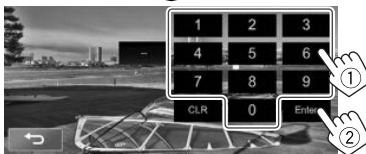


- [ ] Displays the picture size selection screen. (Page 41)
- [ ] Selects the aspect ratio. (Page 41)
- [ ] Displays the picture adjustment screen. (Page 40)
- [ ] Selects the audio channel (ST: stereo, LL: left, RR: right).
- [Menu] Displays the disc menu.
- [ ] Displays/hides the direct selection buttons. (See below.)

### To select a track directly on a VCD

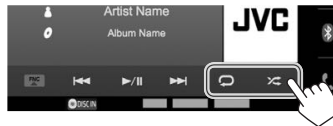
While playing a VCD with PBC activated...

- When PBC is deactivated, activate the PBC function by pressing [ ] then [PBC] on the source control screen.



- When you enter a wrong number, press [CLR] to delete the last entry.

## Selecting playback mode



- [ ] Selects Repeat playback mode.
- [ ] Selects Random playback mode.

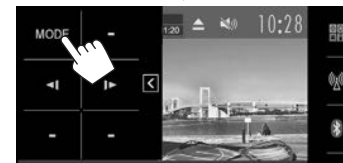
- The location of the buttons differ depending on the type of disc/file being played back.
  - When [ ] is not displayed, display the other operation button window by pressing [ ].
- Available playback modes differ depending on the type of disc/file being played back.
- You cannot activate the repeat mode and the random mode at the same time.
- Each time you press the button, the playback mode changes. (The corresponding indicator lights up.)
  - Available items differ depending on the type of disc/file being played back.

- [ ] CHAPTER Repeats current chapter.
- [ ] TITLE Repeats current title.
- [ ] SONGS Repeats current track.
- [ ] FOLDER Repeats all tracks of the current folder.
- [ ] FOLDER Randomly plays all tracks of the current folder, then tracks of the next folders.
- [ ] ALL Randomly plays all tracks.

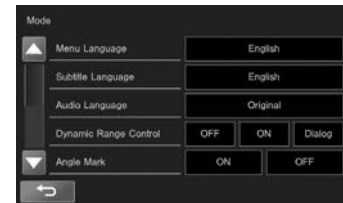
**To cancel Repeat/Random playback:** Press the button repeatedly until the indicator disappears.

## Settings for disc playback

### 1 Display the <Mode> screen.



### 2




- Press [▲]/[▼] to change the page.
- Available items shown on the <Mode> screen differ depending on the type of disc/file being played back.

## DISCS

### □ Setting items

<Menu Language>*	Select the initial disc menu language. (Initial: <b>English</b> ) (Page 60)
<Subtitle Language>*	Select the initial subtitle language or turn subtitles off ( <b>OFF</b> ). (Initial: <b>English</b> ) (Page 60)
<Audio Language>*	Select the initial audio language. (Initial: <b>Original</b> ) (Page 60)
<Dynamic Range Control>*	<p>You can change the dynamic range while playing using Dolby Digital software.</p> <ul style="list-style-type: none"> <li>• <b>OFF</b>: Select this to enjoy a powerful sound at a low volume level with its full dynamic range.</li> <li>• <b>ON</b> (Initial): Select this to reduce the dynamic range a little.</li> <li>• <b>Dialog</b>: Select this to reproduce movie dialog more clearly.</li> </ul>
<Angle Mark>	<p>Select whether to display the angle mark.</p> <ul style="list-style-type: none"> <li>• <b>ON</b> (Initial): Select this to display the angle mark.</li> <li>• <b>OFF</b>: Select this to hide the angle mark.</li> </ul>

<Screen Ratio>*	<p>Select the monitor type to watch a wide screen picture on the external monitor.</p> <p><b>16:9</b> (Initial)   <b>4:3 LB</b>   <b>4:3 PS</b></p> 
<Parental Level>*	Set the parental lock. (See the right column.)
<CD Read>	<p>Select the files to play on a disc containing music files. You cannot change the setting when a disc is inserted.</p> <ul style="list-style-type: none"> <li>• <b>1</b> (Initial): Automatically distinguishes between audio file discs and music CDs.</li> <li>• <b>2</b>: Forces playback as a music CD. No sound can be heard if an audio file disc is played.</li> </ul>

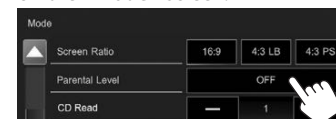
\* You can change these settings only while playback is stopped.

### Setting the parental lock

The parental lock cannot be set during DVD playback.

1 Display the <Parental Pass Check> screen.

On the <Mode> screen:



2 Enter the 4-digit parental pass code (①), and press [Enter] (②).



• To clear the entry, press [Clear].

3 Adjust the parental level ([**OF**] (off), [**1**] to [**8**]).



**To deactivate the parental lock:** Select [**OF**] (off) for <Parental Level>.

# USB

## Connecting a USB device

You can connect a USB mass storage class device such as a USB memory, Digital Audio Player etc. to the unit.

- For details about connecting USB devices, see page 54.
- You cannot connect a computer or portable HDD to the USB input terminal.
- For playable file types and notes on using USB devices, see page 58.

### When a USB device is connected...

The source changes to "USB" and playback starts.

- All tracks in the USB device will be played repeatedly until you change the source.

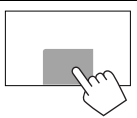
### To disconnect the USB device safely:

Press [**▲** USB], then disconnect the USB device after "No Device" appears.

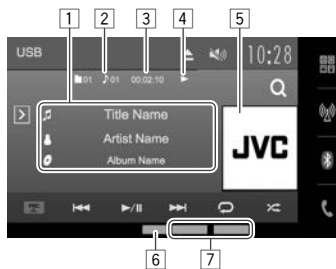
## Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.

- To change settings for video playback, see page 40.



### Indications and buttons on the source control screen



#### Playback information

- The information displayed on the screen differs depending on the type of file being played back.

- 1 Track/file information
  - Touching the text scrolls it if not all of the text is shown.
- 2 Current playback item information (folder no./file no.)
- 3 Playing time
- 4 Playback status
- 5 Jacket picture (Shown while playing if the file has tag data that includes the jacket picture)
- 6 Audio format
- 7 Playback modes (See the right column.)

#### Operation buttons

- Available buttons on the screen and operations differ depending on the type of file being played back.

- [>] Displays the other operation button window.
- To hide the window, press [**◀**].
- [Q] Displays the list selection screen. (Page 16)

[FNC ▲] Displays the pop-up short-cut menu. (Page 9)

- To close the menu, press [**▼**].

[<<<] [▶▶▶] Selects a track. (Press)

- Reverse/forward search. (Hold)

[▶/||] Starts/pauses playback.

[⌂]\*1 \*2 Selects repeat playback mode.

- **SONGS**: Repeats current track/file.
- **FOLDER**: Repeats all tracks/files in the current folder or specified category.

[X]\*1 \*2 Selects random playback mode. (The **X ALL** indicator appears.)

- When selecting the track/file from a folder, randomly plays all tracks/files of the current folder, then the tracks/files of the next folder.
- When selecting the track/file from a category, randomly plays all tracks/files of the specified category.

[MODE] Changes the settings for USB playback on the <Mode> screen. (Page 16)

[▲ USB] Disconnects the USB device safely.

[+1] [-1] Selects a folder.

- To display all available operation buttons, press [**Σ**] to display the other operation button window.

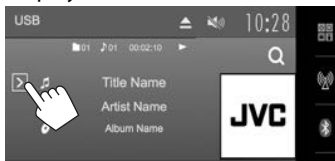
\*1 To cancel random or repeat mode, press the button repeatedly until the indicator disappears.

\*2 You cannot activate the repeat mode and the random mode at the same time.

## ❑ Setting picture display time

Select the interval between slides during slide-shows of the picture files.

### 1 Display the <Mode> screen.

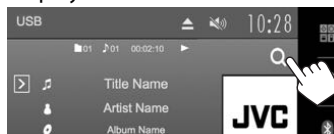


### 2

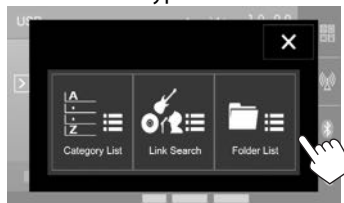


## ❑ Selecting a track in the list

### 1 Display the list selection screen.



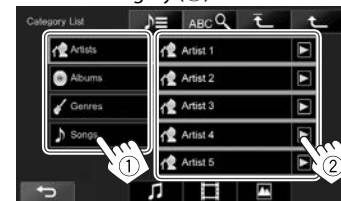
### 2 Select the list type.



- To cancel the procedure, press [X].
- ### 3 Select the track.
- You can change the page to display more items by pressing [▲]/[▼].
  - Press [J] to open the folder containing the current track.
  - On the <Category List>/<Link search> screen: To list the items in alphabetical order, press [ABC Q], then select the first character.
  - Press [↶] to return to the root folder.
  - Press [↷] to return to the upper layer.
  - If you want to play all tracks in the folder, press [▶] on the right of the desired folder.
  - On the <Category List>/<Folder List> screen: You can switch the file type to list: Press [🎵] to list audio files, [📺] to list video files, or [🖼️] to list still picture files.

## From the <Category List> screen:

Select the category (①), then the item in the selected category (②).



## From the <Link Search> screen:

Select the tag type (①) to display a list of content that contains the same tag as the track/file currently being played, then the item (②).



## From the <Folder List> screen:

Select the folder (①), then the item in the selected folder (②).





# iPod/iPhone

## Preparation

### ❑ Connecting iPod/iPhone

- For details about connecting iPod/iPhone, see page 54.
- For playable iPod/iPhone types, see page 59.

Connect your iPod/iPhone according to your purpose or the type of iPod/iPhone.

### Wired connection

#### • To listen to music:

- For Lightning connector models: Use USB Audio cable for iPod/iPhone—KS-U62 (optional accessory).
- For 30-pin connector models: Use 30-pin to USB cable (accessory of iPod/iPhone).

#### • To watch video and listen to music:

- For Lightning connector models: Use the HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone).
- For 30-pin connector models: Use USB Audio and Video cable for iPod/iPhone—KS-U59 (optional accessory).

### Bluetooth connection

Pair the iPod/iPhone through Bluetooth. (Page 28)

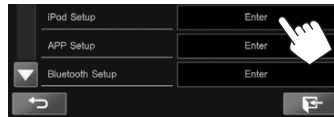
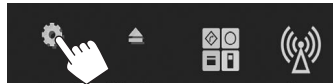
- For Lightning connector models: To watch video, connect your iPod/iPhone to the HDMI/MHL input terminal using KS-U60 (optional accessory). (Page 54)
- For 30-pin connector models: You cannot watch video with a Bluetooth connection.

### ❑ Selecting the iPod/iPhone device to play and connection method

When connecting the iPod/iPhone device for the first time, the setup screen (for connection, etc.) appears. Follow the procedure on the setup screen to configure the settings.

#### 1 Display the <iPod Settings> screen.

On the Home screen:



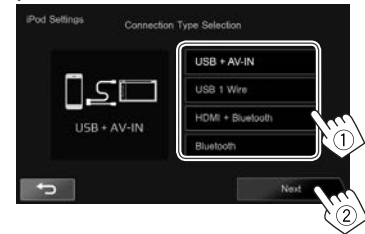
- If [**Enter**] for <iPod Setup> cannot be selected, turn off the AV source. (Page 6)

#### 2



- If you do not need to change the settings, press [**OK**] to exit the setup screen.

#### 3 Select the connection method (①), then press [**Next**] (②).



<USB + AV-IN>

Select this when the iPod/iPhone is connected using KS-U59 (optional accessory).

<USB 1 Wire>

Select this when the iPod/iPhone is connected using a USB 2.0 cable (accessory of the iPod/iPhone) or KS-U62 (optional accessory).

<HDMI + Bluetooth>

Select this when the iPod/iPhone is connected using HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone).

<Bluetooth>

Select this when the iPod/iPhone is connected via Bluetooth.

- When selecting <USB + AV-IN> or <USB 1 Wire>, go to step 5.

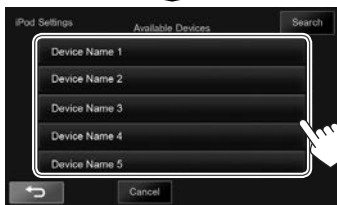
Continued on the next page...

## iPod/iPhone

- 4 When selecting **<HDMI + Bluetooth>** or **<Bluetooth>** as the connection method, the paired device list appears. Select the target device (①), then press **[Next]** (②).



- You can delete the Bluetooth registration of a device. Press **[Remove]**, then press **[Yes]** after a confirmation message appears.
- If the desired device is not listed, press **[Search]** to search for the available iPod/iPhone devices, then select the target device from the **<Available Devices>** screen.



- You can change the page to display more items by pressing **[▲]/[▼]**.
- To stop searching, press **[Cancel]**.

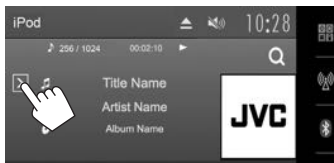
- 5 Confirm the settings.



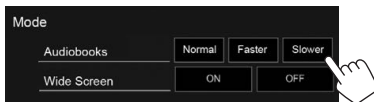
### ❑ Selecting preference settings for iPod/iPhone playback

When the source is "iPod"...

- 1 Display the **<Mode>** screen.



- 2



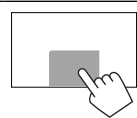
**<Audiobooks>** Select the speed of audiobooks.

- <Wide Screen>\***
- [ON]:** Select this to display video compatible with wide-screen display in wide-screen.
  - [OFF]:** Select this to deactivate.

\* You cannot change the setting when iPod/iPhone is connected.

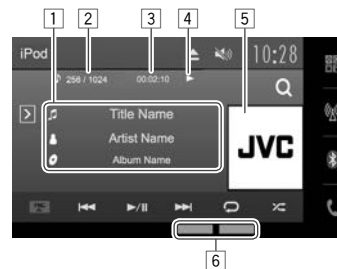
## Playback operations

When the operation buttons are not displayed on the screen, touch the area shown on the illustration.



- To change settings for video playback, see page 40.

### ❑ Indications and buttons on the source control screen



#### Playback information

- Song information
  - Touching the text scrolls it if not all of the text is shown.
- Track no./Total track number
- Playing time
- Playback status
- Artwork (Shown if the song contains artwork)
- Playback modes (Page 19)

# iPod/iPhone

## Operation buttons

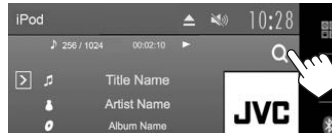
- [>] Displays the other operation button window.  
• To hide the window, press [◀].
- [Q] Displays the audio/video track menu. (See the right column.)
- [FNC ▲] Displays the pop-up short-cut menu. (Page 9)  
• To close the menu, press [▼].
- [◀◀] [▶▶] • Selects a track. (Press)  
• Reverse/forward search. (Hold)
- [▶/||] Starts/pauses playback.
- [🔄] Selects repeat playback mode.  
• **SONGS**: Functions the same as Repeat One.  
• **ALL**: Functions the same as Repeat All.
- [🔀]\* Selects random playback mode.  
• **SONGS**: Functions the same as Shuffle Songs.  
• **ALBUMS**: Functions the same as Shuffle Albums.
- [MODE] Changes the settings for iPod/iPhone playback on the <Mode> screen. (Page 18)
- [⌘]/[S] Displays the <iPod Settings> screen. (Page 17)

- To display all available operation buttons, press [>] to display the other operation button window.

\* To cancel random mode, press the button repeatedly until the indicator disappears.

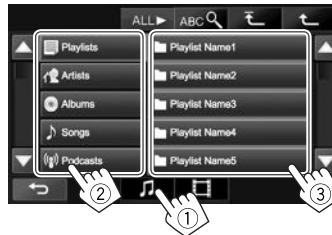
## ❑ Selecting an audio/video track from the menu

### 1 Display the menu screen.



- ### 2 Select the menu (🎵: audio or 📺: video) (①), a category (②), then a desired item (③).
- Select an item in each layer until you reach and select the desired track.

#### Audio menu:



## Video menu:



- You can change the page to display more items by pressing [▲]/[▼].
- To list the items in alphabetical order, press [ABC Q], then select the first character.
- Press [ALL ▶] to play all songs/videos.
- Press [⬆] to return to the top layer.
- Press [⬆] to return to the upper layer.
- Available categories differ depending on the type of your iPod/iPhone.

# APPS

You can use an App of the connected iPod touch/iPhone/Android on this unit.

- For Apps you can use on this unit, visit <<http://www.jvc.net/cs/car/>>.
- For Android devices, you can use more functions with the JVC Smartphone Control application. For details, visit <<http://www.jvc.net/car/app/>>

## Preparation

- 1 Connect the iPod touch/iPhone/Android.
  - For wired connection, see page 54 for iPod touch/iPhone or page 55 for Android.
    - To view video, connect the device using KS-U59 or KS-U60 (optional accessory).
  - For Bluetooth connection, see page 28.
- 2 Select the iPod touch/iPhone/Android device to use and connection method on the <APP Settings> screen. (Page 37)

## Using an App

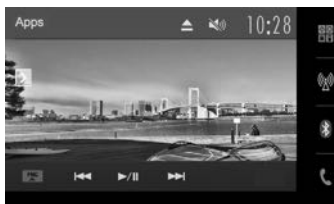
When the operation buttons are not displayed on the screen, touch the screen to show them.

- To change settings for video playback, see page 40.

### ❑ Playback operations

- 1 Start App on your iPod touch/iPhone/Android.
- 2 Select “Apps” as the source. (Page 8)
  - When a caution message is displayed, operate by following the message.

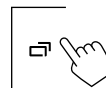
### ❑ Operation buttons on the source control screen



- [>] Displays the other operation button window.
  - To hide the window, press [◀].
- [FNC ▲] Displays the pop-up short-cut menu. (Page 9)
  - To close the menu, press [▼].
- [◀▶] [▶▶] Selects an audio/video file.
- [▶/||] Starts/pauses playback.
- [⊞/Ⓢ] Displays the <APP Settings> screen. (Page 37)

- To display all available operation buttons, press [>] to display the other operation button window.
- You can operate some functions of the App on the touch panel.
- For some applications such as navigation applications, the operation buttons and information are not shown. You can perform the operations on the touch panel, such as scrolling the map.
  - If “⊞” appears on the screen, the unit cannot accept the touch operation you have tried to do.
- You can also play back the audio/video using iPod/iPhone/Android itself instead of the unit.

### ❑ Switching to the App screen while listening to another source

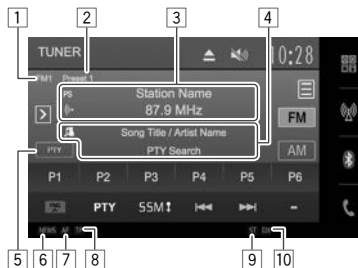


**To return to the source control screen:** Press [◀] on the monitor panel.

# TUNER

## Listening to the radio

### Indications and buttons on the source control screen



### Tuner reception information

- 1 Band
- 2 Preset no.
- 3 The station frequency currently tuned in/PS (station name) for FM Radio Data System when a PS signal is coming in
- 4 Text information
  - Touching the text scrolls it if not all of the text is shown.
- 5 Information type
  - Touching the information type switches the information between Radio Text, Radio Text Plus, and PTY code.
- 6 NEWS indicator (Page 23)
- 7 AF indicator (Page 24)
- 8 TP indicator (Page 23)
- 9 ST/MO indicator
  - The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.
- 10 DX/LO indicator (See the far right column.)

### Operation buttons

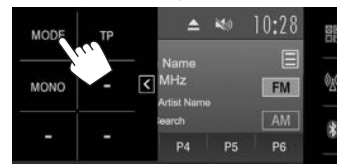
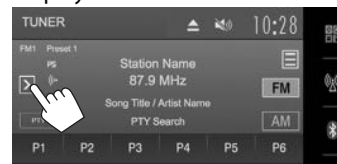
- [>] Displays the other operation button window.
  - To hide the window, press [◀].
- [☰] Displays the <Preset List> screen. (Page 22)
  - To close the <Preset List> screen, press [☐].
- [FM] Selects the FM band.
  - FM1 → FM2 → FM3
- [AM] Selects the AM band.
- [P1] – [P6]
  - Selects a stored station. (Press)
  - Stores the current station. (Hold)
- [FNC ▲] Displays the pop-up short-cut menu. (Page 9)
  - To close the menu, press [▼].
- [PTY]\* Enters PTY search mode. (Page 23)
- [SSM ↓]\* Presets stations automatically. (Hold) (Page 22)
- [◀▶] Searches for a station.
  - Auto search (Press)
  - Manual search (Hold)
- [MODE] Changes the settings for tuner reception on the <Mode> screen. (Pages 21 – 24)
- [MONO]\* Activates/deactivates monaural mode for better FM reception. (Stereo effect will be lost.)
  - The MONO indicator lights up while monaural mode is activated.
- [TP]\* Activates/deactivates TA standby reception mode. (Page 23)

- To display all available operation buttons, press [☐] to display the other operation button window.

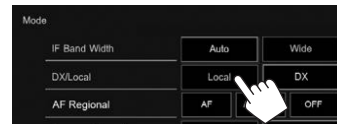
\* Appears only when FM is selected as the source.

### Tuning in FM stations only with strong signals—LO/DX (Local/Distance-extreme)

#### 1 Display the <Mode> screen.



#### 2



The unit tunes in only to stations with sufficient signal strength. The LO indicator lights up.

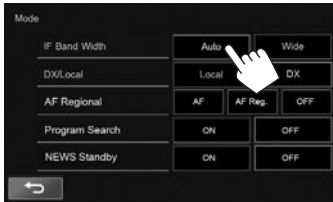
**To deactivate the Local function:** Press [DX]. The DX indicator lights up.

## TUNER

### ❑ Reducing interference during FM reception

1 Display the <Mode> screen. (Page 21)

2



The tuner selectivity is increased to reduce interference between adjacent stations. (Stereo effect may be lost.)

**To restore the sound quality:** Press [**Wide**].

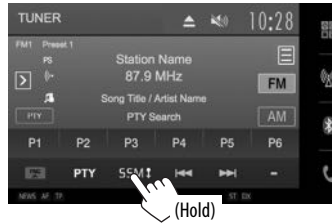
- Reception may be subject to interference from adjacent stations when [**Wide**] is selected, but sound quality will not be degraded and the stereo effect will remain.

## Presetting stations

### ❑ Storing stations in the memory

You can preset 6 stations for each band.

### Automatic presetting—SSM (Strong-station Sequential Memory)

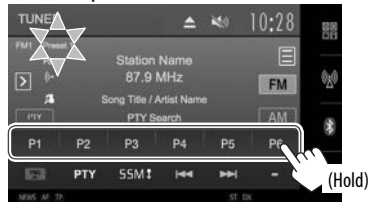


The local stations with the strongest signals are found and stored automatically.

### Manual presetting

1 Tune in to a station you want to preset. (Page 21)

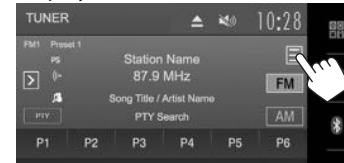
2 Select a preset number.



The station selected in step 1 is stored.

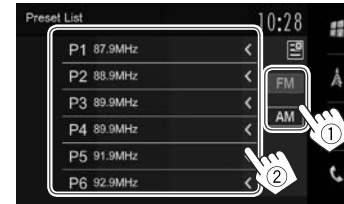
### ❑ Selecting a preset station

1 Display the <Preset List> screen.



- You can also select a preset station by pressing [**P1**] – [**P6**].

2 Select a band (①), then select a preset station (②).



- Pressing [**<**] scrolls the text if not all of the text is shown.

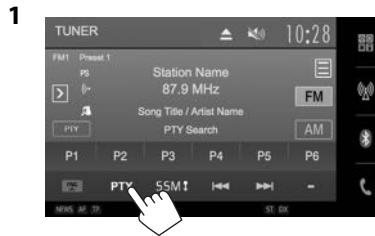
- To close the <Preset List> screen, press [**ESC**].

# TUNER

## FM Radio Data System features

### ❑ Searching for FM Radio Data System programs—PTY Search

You can search for your favorite programs being broadcast by selecting the PTY code for your favorite programs.



2 Select a PTY code.



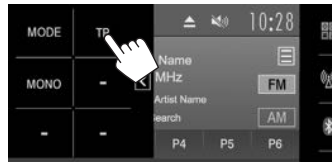
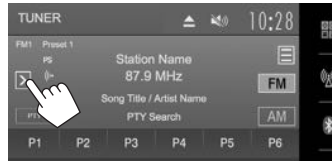
- You can change the page to display more items by pressing [▲]/[▼].

PTY Search starts.

If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

### ❑ Activating/deactivating TA/News Standby Reception

#### TA Standby Reception



The unit is in standby to switch to Traffic Announcement (TA) if available. (The TP indicator lights up in white.)

- If the TP indicator is lit in gray, tune into another station providing Radio Data System signals.

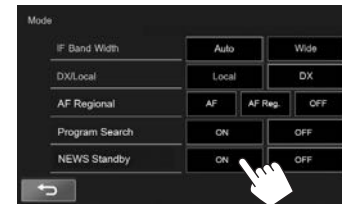
**To deactivate TA Standby Reception:** Press [TP]. (The TP indicator turns off.)

- The volume adjustment for Traffic Announcement is automatically memorized. The next time the unit switches to Traffic Announcement, the volume is set to the previous level.

#### News Standby Reception

1 Display the <Mode> screen. (Page 21)

2



The unit is in standby to switch to News Program if available. (The NEWS indicator lights up in white.)

- If the NEWS indicator is lit in gray, tune into another station providing Radio Data System signals.

**To deactivate News Standby Reception:**

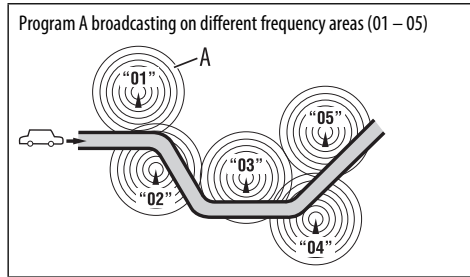
Select [OFF] for <NEWS Standby>. (The NEWS indicator turns off.)

- The volume adjustment while receiving News is automatically memorized. The next time the unit switches to News, the volume is set to the previous level.

## TUNER

### ❑ Tracing the same program —Network-Tracking Reception

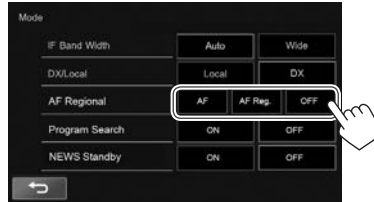
When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM Radio Data System station of the same network, possibly broadcasting the same program with stronger signals.



- When shipped from the factory, Network-Tracking Reception is activated.

### To change the Network-Tracking Reception setting

- 1 Display the **<Mode>** screen. (Page 21)
- 2



**[AF]** Switches to another station. The program may differ from the one currently received (the AF indicator lights up).

**[AF Reg.]** Switches to another station broadcasting the same program (the AF indicator lights up).

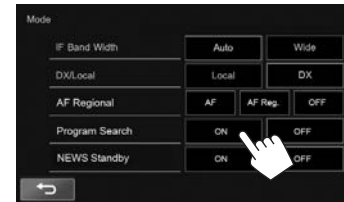
**[OFF]** Cancels.

### ❑ Automatic station selection—Program Search

Usually when you select preset stations, the preset station is tuned in. If the signals from the preset FM Radio Data System station are not sufficient for good reception, this unit, using the AF data, tunes in to another station broadcasting the same program that the original preset station is broadcasting.

#### To activate Program Search

- 1 Display the **<Mode>** screen. (Page 21)
- 2



- The unit takes some time to tune in to another station using program search.

**To deactivate Program Search:** Select **[OFF]** for **<Program Search>**.

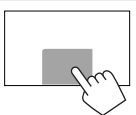


# OTHER EXTERNAL COMPONENTS

## Using external audio/video players—AV-IN

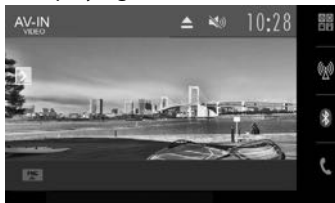
When the operation buttons are not displayed on the screen, touch the area shown on the illustration.

- To change settings for video playback, see page 40.



### Starting playback

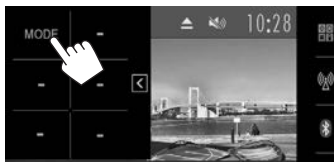
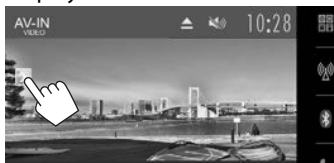
- 1 Connect an external component to the AV-IN1 input terminal. (Page 55)
- 2 Select "AV-IN" as the source. (Page 8)
- 3 Turn on the connected component and start playing the source.



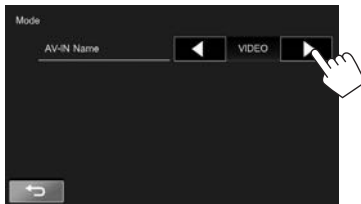
### Changing the AV-IN name

You can change the AV-IN name displayed on the "AV-IN" source control screen.

- 1 Display the <Mode> screen.



- 2 Select an AV-IN name.



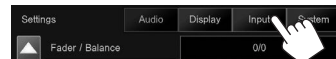
- This setting does not affect the source name displayed on the Home screen.

## Using the rear view camera

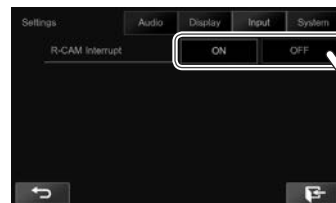
- To connect a rear view camera, see page 55.
- To use a rear view camera, a REVERSE lead connection is required. (Page 53)

### Settings for the rear view camera

- 1 Display the <Input> settings screen. On the Home screen:



- 2



- [ON]** Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
- [OFF]** Select this when no camera is connected.

## OTHER EXTERNAL COMPONENTS

### ❑ Displaying the rear view camera screen

The rear view screen is displayed when you shift the gear to the reverse (R) position.



- To remove the caution message, touch the screen.

### To display the picture from the rear view camera manually

On the Home screen:



### To exit the rear view screen



### ❑ Using the parking guidelines on the rear view screen

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

#### Displaying the parking guidelines

- 1 Display the <Display> settings screen.  
On the Home screen:



- Press [▼] repeatedly to change the page on the <Display> menu screen.

2



**To deactivate:** Select [OFF] for <Parking Guidelines>.

#### Adjusting the parking guidelines

Adjust the parking guidelines according to the size of the car, parking space and so on.

- 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.

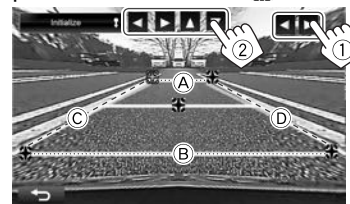
- 1 Display the <Display> settings screen.  
(See the left column.)

- Press [▼] repeatedly to change the page on the <Display> menu screen.

- 2 Display the parking guidelines adjustment screen.



- 3 Adjust the parking guidelines by selecting the [Initialize] mark (1), then adjusting the position of the selected [Initialize] mark (2).



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

- Press and hold [Initialize] for 2 seconds to set all the [Initialize] marks to the initial default position.

## OTHER EXTERNAL COMPONENTS

### Using a smartphone—HDMI/MHL

#### ❑ What is HDMI/MHL?

HDMI stands for High Definition Multi-media Interface. HDMI connections can transfer digital video source signals (such as from a DVD player) without converting them to analog.

A new feature that has been added to HDMI that extends its capabilities further is MHL, or Mobile High-definition Link.

Both interfaces allow your smartphone to connect to the device. When it is connected, you can see your smartphone's screen on the monitor.

#### ❑ Displaying the screen of the smartphone

You can display the screen of smartphones connected via the HDMI/MHL input terminal.

- 1 Connect your smartphone to the HDMI/MHL input terminal. (Page 55)
  - Use HDMI cable KS-U60 (optional accessory) or MHL cable KS-U61 (optional accessory).
- 2 Select "HDMI/MHL" as the source. (Page 8)
- 3 Start an application or playback on your smartphone.

### Using an external monitor—Rear Source

You can enjoy the rear source playback on an external monitor connected to the AV-OUT VIDEO and AV-OUT AUDIO terminals, while listening to any source.

#### ❑ Displaying rear source images on the external monitor

- 1 Display the <Rear Source> screen. On the Home screen:



- 2 Select the rear source.



- To close the <Rear Source> screen, press [X].

#### While activating rear source...

- To view a front source image on the rear monitor, press [Same as Front] on the <Rear Source> screen.
- If the selected source is not "DISC" or "AV-IN", nothing appears on the rear monitor.

# BLUETOOTH

## 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.

### Notes

- 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 mobile phones compatible with Phone Book Access Profile (PBAP)

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 600 entries
- Dialed calls, received calls, and missed calls: up to 10 entries each

## Connecting Bluetooth devices

### ❑ Registering a new Bluetooth device

When you connect a Bluetooth device to the unit for the first time, pair the unit and the device. Pairing allows Bluetooth devices to communicate with each other.

- The pairing method differs depending on the Bluetooth version of the device.
  - For devices with Bluetooth 2.1: You can pair the device and the unit using SSP (Secure Simple Pairing) which only requires confirmation.
  - For devices with Bluetooth 2.0: You need to enter a PIN code both on the device and unit for pairing.
- Once the connection is established, it is registered in the unit even if you reset the unit. Up to 5 devices can be registered in total.
- Two devices for Bluetooth phone and one for Bluetooth audio can be connected at a time.
- To use the Bluetooth function, you need to turn on the Bluetooth function of the device.
- To use the registered device, you need to connect the device to the unit. (Page 30)

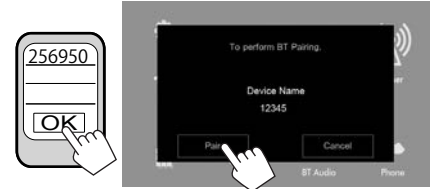
### Auto pairing

When <Auto Pairing> is set to [ON], iOS devices (such as iPhone) are automatically paired when connected via USB. (Page 36)

### Pairing a Bluetooth device using SSP (for Bluetooth 2.1)

When the Bluetooth device is compatible with Bluetooth 2.1, a pairing request is sent from an available device.

- 1 Search for the unit (“**Car Multimedia**”) from your Bluetooth device.
- 2 Confirm the request both on the device and the unit.

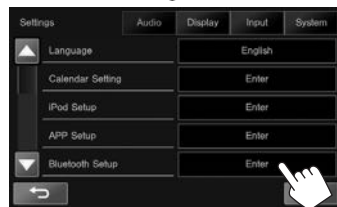
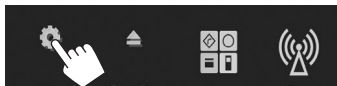


- Press [Cancel] to reject the request.

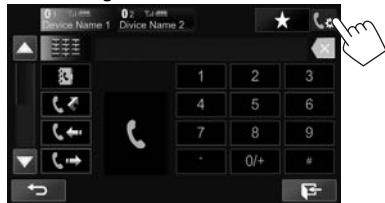
# BLUETOOTH

## Pairing a Bluetooth device using a PIN code (for Bluetooth 2.0)

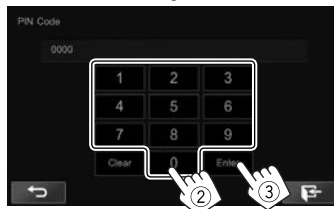
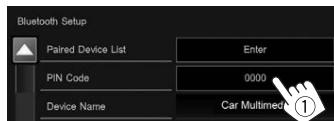
- 1 Display the <Bluetooth Setup> screen.  
On the Home screen:



- You can also display the <Bluetooth Setup> screen by pressing [**Ⓜ**] on the phone control screen. (Page 32)



- 2 Change the PIN code.
  - If you wish to skip changing the PIN code, go to step 3.
  - The PIN code is initially set to "0000".
  - The maximum number of digits in the PIN code is 15.



- Press [**Clear**] to delete the last entry.
- 3 Search for the unit ("**Car Multimedia**") from your Bluetooth device.
  - 4 Select the unit ("**Car Multimedia**") on your Bluetooth device.
    - If a PIN code is required, enter "0000" (initial).

When pairing is complete, the device is listed on the <Paired Device List>.

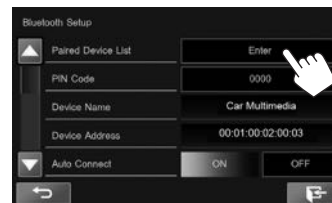


- To use the paired device, connect the device on the <Paired Device List>. (Page 30)

## Pairing a Bluetooth device from this unit using a PIN code (for Bluetooth 2.0)

- 1 Display the <Bluetooth Setup> screen.  
(See the far left column.)

2



- 3 Search for the available devices.



- To cancel searching for devices, press [**Cancel**].

- 4 Select the device you want to pair.



- If a PIN code is required, enter "0000" (initial).

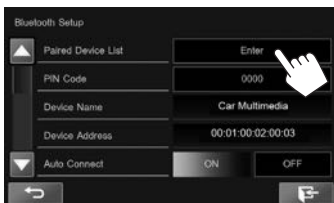
## BLUETOOTH

### ❑ Connecting/disconnecting a registered Bluetooth device

Two devices can be connected simultaneously.

1 Display the <Bluetooth Setup> screen.  
(Page 29)

2



3 Select the device you want to connect (①), then press [Connection] (②).



4 Select [ON] or [OFF] for the target.



📞: Mobile phone

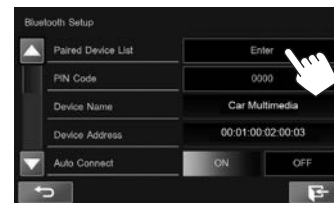
🎵: Audio device

- The status is shown as follows:
  - “Connected”: A connection has been established.
  - “Connect Ready”: A connection can be established.
  - “Disconnected”: No connection is established.
- Press [Change] for <APP Setup> to display the <APP Settings> screen to configure settings for applications of iPod/iPhone/Android. (Page 37)
- When a Bluetooth mobile phone is connected, the signal strength and battery level are displayed when the information is acquired from the device.

### ❑ Deleting a registered Bluetooth device

1 Display the <Bluetooth Setup> screen.  
(Page 29)

2



3 Select a device to delete (①), then press [Remove] (②).



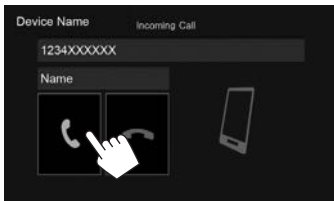
A confirmation message appears. Press [Yes].

## BLUETOOTH

### Using a Bluetooth mobile phone

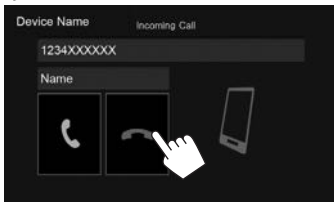
#### ❑ Receiving a call

When a call comes in...



- Call information is displayed if acquired.
- Phone operation is not available while the picture from the rear view camera is displayed. (Page 26)

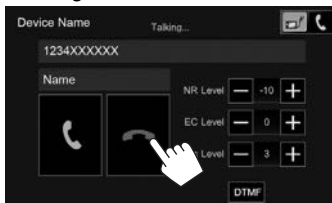
#### To reject a call



**When <Auto Response> is set to [ON]** (Page 36)  
The unit answers incoming calls automatically.

#### ❑ Ending a call

While talking...



#### ❑ Adjusting the volume of calls/earpiece/microphone

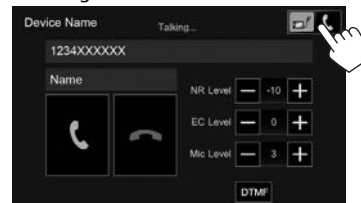
While talking...



- You can adjust the volume level between 0 to 15 (initial: 3).
- Use the monitor panel to adjust the call/earpiece volume. (Page 5)

#### ❑ Switching between handsfree mode and phone mode

While talking...

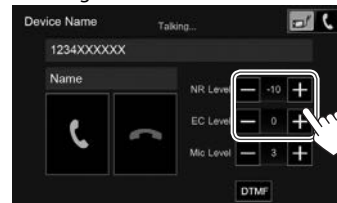


Each time you press the button, the talking method is switched.

- The selected mode (📞: handsfree mode / 📞: phone mode) is highlighted.

#### ❑ Adjusting the noise reduction/echo cancel level

While talking...



- **To adjust the noise reduction volume (between 0 to -20, initial: -10) :** Adjust <NR LEVEL>.
- **To adjust the echo volume (between -1 to +1, initial: 0) :** Adjust <EC LEVEL>.

## BLUETOOTH

### ❑ Sending text during a call

You can send text during a call using the DTMF (Dual Tone Multi Frequency) function.

While talking...



### ❑ Switching between two connected devices

When 2 devices are connected, you can change the device to use.

While using a Bluetooth mobile phone, select the device you want to use.

On the phone control screen:



- The active device is highlighted.

### ❑ Making a call

- 1 Display the phone control screen.  
On the Home screen:



- You can also display the phone control screen by selecting [Phone] on the pop-up short-cut menu (Page 9).

- 2 Select a method to make a call.



- Press [▼]/[▲] to change the page.
  - You can display the <Bluetooth Setup> screen by pressing [Bluetooth Setup].
- 1 From the phone book\*/call lists
  - 2 Direct number entry
  - 3 From the preset list
    - To preset, see page 34.
  - 4 Voice dialing

\* When the mobile phone is not compatible with Phone Book Access Profile (PBAP), the phone book is not displayed.



# BLUETOOTH

## From the preset list/phone book/call lists

1



- [★] From the preset list
- [☰] From the phone book
- [☎] From the missed calls list
- [☎←] From the received calls list
- [☎→] From the dialed calls list

2 Select the target (①), then make a call (②).



- You can change the page to display more items by pressing [▲]/[▼].

- To use the A to Z search in the phone book:  
When the phone book list is displayed, you can search by initial.

1



2 Select the initial.



- Press [X] to cancel the A to Z search.
- 3 Select a phone number from the list.



- To display other phone numbers:  
When the phone book list is displayed, you can switch between phone numbers if several phone numbers are registered for the same person.

1 Switch the phone number.



- The phone number switches each time [>] is pressed.

2 Select a phone number to call.



# BLUETOOTH

## Direct number entry

You can enter up to 31 numbers.



- Press [**X**] to delete the last entry.
- Press and hold [**0/+**] to add “+” to the phone number.

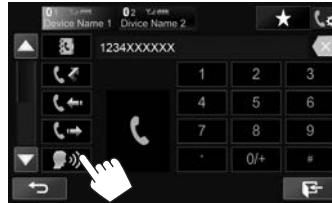
## Voice dialing

Voice dialing is available only when the connected mobile phone has a voice recognition system.

### 1 Activate voice dialing.

On the phone control screen:

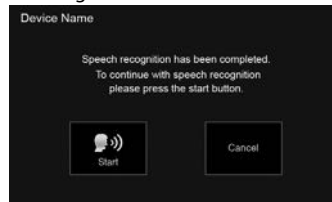
- Press [**▼**] repeatedly to change the page on the phone control screen.



- You can also activate voice dialing by pressing [**📞**] on the pop-up short-cut menu (Page 9) or holding HOME/**📞** on the monitor panel.

### 2 Say the name of the person you want to call.

- If the unit cannot find the target, the following screen appears. Press [**Start**], then say the name again.

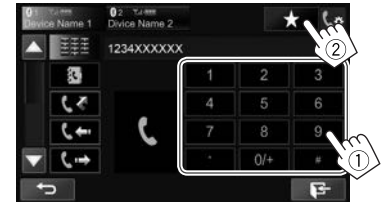


**To cancel voice dialing:** Press [**Cancel**].

## ❑ Presetting phone numbers

You can preset up to 5 phone numbers.

- 1 Display the phone control screen. (Page 32)
- 2 Enter the numbers on the direct number entry screen, then display the preset list.



### 3 Select a preset number to store into.



- To display the preset list, press [**★**] on the phone control screen.

## BLUETOOTH

### Using the Bluetooth audio player

- To register a new device, see page 28.
- To connect/disconnect a device, see page 30.

#### ▣ Indications and buttons on the source control screen



- The operation buttons, indications and information displayed on the screen differ depending on the connected device.

#### Playback information

- 1 Tag data (current track title/artist name/album title)<sup>\*1</sup>
  - Touching the text scrolls it if not all of the text is shown.
- 2 Current playback item information (track no.)
- 3 Playing time<sup>\*1</sup>
- 4 Playback status<sup>\*1</sup>
- 5 Signal strength and battery level (Appear only when the information is acquired from the device.)

#### Operation buttons

- [>] Displays the other operation button window.
  - To hide the window, press [◀].
- [FNC ▲] Displays the pop-up short-cut menu. (Page 9)
  - To close the menu, press [▼].
- [Q]\*<sup>2</sup> Displays the track menu. (See the right column.)
  - Selects a track. (Press)
  - Reverse/forward search.<sup>\*1</sup> (Hold)
- [▶] Starts playback.
- [||] Pauses playback.
- [↻] Selects random playback mode.<sup>\*3</sup>
- [↺] Selects repeat playback mode.<sup>\*3</sup>
- [DeviceList] Displays the <Paired Device List> screen. (Page 30)

- To display all available operation buttons, press [>] to display the other operation button window.

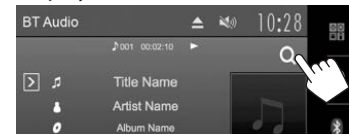
<sup>\*1</sup> Available only for devices compatible with AVRCP 1.3.

<sup>\*2</sup> Available only for devices compatible with AVRCP 1.4.

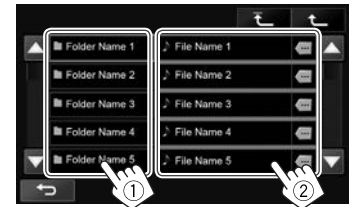
<sup>\*3</sup> The random and repeat functions vary depending on the Bluetooth audio device.

#### ▣ Selecting a track from the menu

##### 1 Display the menu screen.



##### 2 Select a category (①), then a desired item (②).



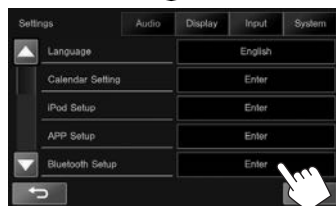
- Select an item in each layer until you reach and select the desired track.
- You can change the page to display more items by pressing [▲]/[▼].
- Press [⋮] to scroll text if not all of the text is shown.
- Press [↑] to return to the top layer.
- Press [↶] to return to the upper layer.

# BLUETOOTH

## Settings for Bluetooth devices

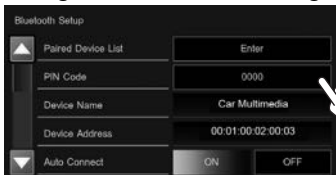
You can change various settings for using Bluetooth devices on the <Bluetooth Setup> screen.

- 1 Display the <Bluetooth Setup> screen.  
On the Home screen:



- You can also display the <Bluetooth Setup> screen by pressing [**ⓧ**] on the phone control screen (Page 32).

- 2 Configure the Bluetooth settings.



- Press [**▲**]/[**▼**] to change the page.

## Setting items

<Paired Device List>	Press [ <b>Enter</b> ] to show the list of registered devices. You can connect a device or delete registered devices. (Page 30)
<PIN Code>	Changes the PIN code of the unit. (Page 29)
<Device Name>	Shows the device name to be shown on the Bluetooth device — <b>Car Multimedia</b> .
<Device Address>	Shows the device address of the unit.
<Auto Connect>	<ul style="list-style-type: none"> <li>• <b>ON</b> (Initial): A connection is automatically established with the last connected Bluetooth device when the unit is turned on.</li> <li>• <b>OFF</b>: Cancels.</li> </ul>
<Bluetooth HF/Audio>	Select the speakers used for Bluetooth (both phone and audio player). <ul style="list-style-type: none"> <li>• <b>Front</b>: Front speakers only.</li> <li>• <b>All</b> (Initial): All speakers.</li> </ul>
<Auto Response>	<ul style="list-style-type: none"> <li>• <b>ON</b>: The unit answers the incoming calls automatically after 5 seconds.</li> <li>• <b>OFF</b> (Initial): The unit does not answer the calls automatically. Answer the calls manually.</li> </ul>

<Auto Pairing>	<ul style="list-style-type: none"> <li>• <b>ON</b> (Initial): Establishes pairing automatically with the connected iOS device (such as iPhone) even if the Bluetooth function is deactivated on the device. (Auto pairing may not work for some devices depending on the iOS version.)</li> <li>• <b>OFF</b>: Cancels.</li> </ul>
<Ring Mode>	<ul style="list-style-type: none"> <li>• <b>System</b> (Initial): The ring tone set on the unit is used.</li> <li>• <b>Phone</b>: The ring tone set on the mobile phone is used. (This function may not work depending on the mobile phone.)</li> </ul>
<Ring Tone Change>	When <Ring Mode> is set to <System>, select the ring tone for received calls from [ <b>Tone1</b> ] (Initial), [ <b>Tone2</b> ], [ <b>Tone3</b> ].
<Initialize>	Hold [ <b>Enter</b> ] to reset all settings you have made for using Bluetooth mobile phones and Bluetooth audio players.

# SETTINGS

## Settings for using applications of iPod/iPhone/Android

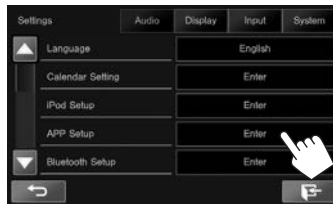
Before using applications of iPod/iPhone/Android, select the device to use and connection method.

### Preparation:

Connect iPod touch/iPhone/Android device.

- **For Android:** Connect the Android device via Bluetooth or both with a cable and via Bluetooth.
  - For Bluetooth connection, see page 28.
  - For wired connection, see page 55.
- **For iPod touch/iPhone:** Connect iPod touch/iPhone with a cable, via Bluetooth, or both with a cable and via Bluetooth. (Page 17)

- 1 Display the **<APP Setup>** screen.  
On the Home screen:



- If **[Enter]** for **<APP Setup>** cannot be selected, turn off the AV source. (Page 6)

- 2 Display the **<APP Settings>** screen.

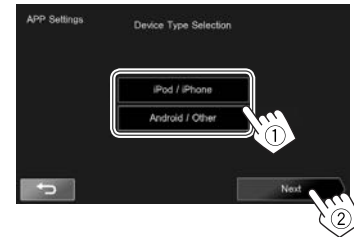


- 3 Check the current device status, then press **[Change]**.



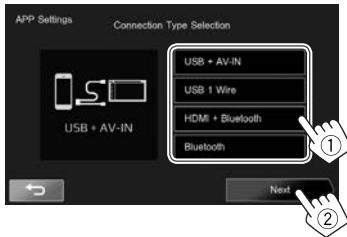
- If you do not need to change the setting, press **[OK]** to exit the setup screen.

- 4 Select the device type (①), then press **[Next]** (②).



## SETTINGS

- 5 Select the connection method (①), then press **[Next]** (②).



### For Android:

- <HDMI/MHL + Bluetooth>** Select this when the Android device is connected both by cable KS-U60 (optional accessory) or KS-U61 (optional accessory) to the HDMI/MHL input terminal and via Bluetooth.
- <Bluetooth>** Select this when the device is connected via Bluetooth.

### For iPod/iPhone:

- <USB + AV-IN>** Select this when the iPod/iPhone is connected using KS-U59 (optional accessory).
- <USB 1 Wire>** Select this when the iPod/iPhone is connected using a USB 2.0 cable (accessory of the iPod/iPhone) or KS-U62 (optional accessory).
- <HDMI + Bluetooth>** Select this when the iPod/iPhone is connected using HDMI cable KS-U60 (optional accessory) and KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone).
- <Bluetooth>** Select this when the iPod/iPhone is connected via Bluetooth.
- When selecting **<USB + AV-IN>** or **<USB 1 Wire>**, go to step 7.

- 6 When selecting **<HDMI + Bluetooth>** or **<Bluetooth>** as the connection method, the paired device list appears. Select the target device.



- You can delete the Bluetooth registration of a device. Press **[Remove]**, then press **[Yes]** after a confirmation message appears.
- If the desired device is not listed, press **[Search]** to search for the available iPod/iPhone/Android devices (①), then select the target device from the **<Available Devices>** screen (②).



- You can change the page to display more items by pressing **[▲]/[▼]**.
- To stop searching, press **[Cancel]**.

- 7 Confirm the settings.



# SETTINGS

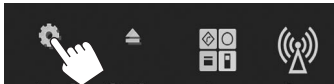
## Sound adjustment

### Using the sound equalization

- The adjustment is memorized for each source until you adjust the sound again. If the source is a disc, the adjustment is stored for each of the following categories.
  - DVD-Video/DVD-VR/VCD
  - CD
  - DivX/MPEG1/MPEG2/MP3/WMA/AAC
- You cannot adjust the sound when the AV source is turned off.

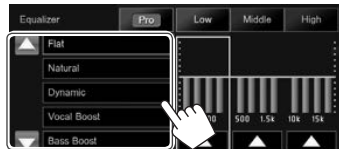
### Selecting a preset sound mode

- 1 Display the **<Equalizer>** screen.  
On the Home screen:



- You can also display the **<Equalizer>** screen by pressing on the pop-up short-cut menu. (Page 9)

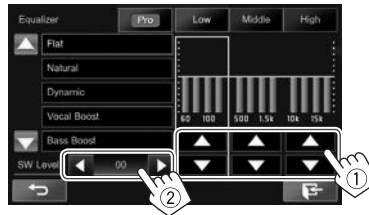
- 2 Select a sound mode.



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

### Storing your own adjustments—Customizing preset sound mode

- 1 Select a sound mode. (See the left column.)
- 2 Adjust the level of each band (①), then select the subwoofer level (②).



The adjustments are stored and **<User>** is activated.

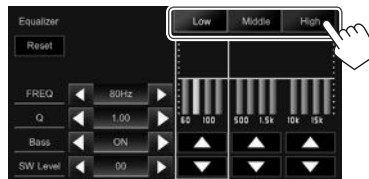
- To finish the procedure, press .

### Storing your own adjustments—Adjusting the sound precisely

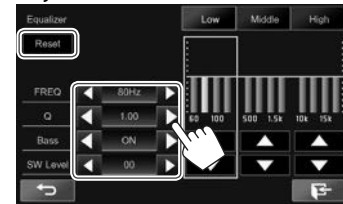
- 1 Select a sound mode. (See the left column.)
- 2 Display the adjustment screen.



- 3 Select a band.



- 4 Adjust the sound.



**[Reset]**

Changes the level of each band to 0.

**<FREQ>**

Selects the frequency. Adjusts the width of the frequency.\*1

**<Bass>**

Activates/deactivates bass.\*2

**<SW Level>**

Adjusts the subwoofer level.

The adjustments are overwritten if the **<User>** setting has been created (see the left column), and **<User>** is activated.

- To finish the procedure, press .

- The adjustments are memorized until you adjust the sound again.
- To make adjustments for other bands, repeat steps 3 and 4.

\*1 Fixed for "High" band.

\*2 Only for "Low" band.

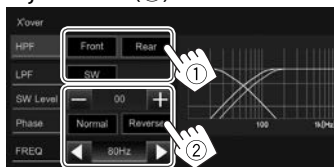
## SETTINGS

### ❑ Adjusting the crossover frequency

- 1 Display the <X'over> screen.  
On the Home screen:



- 2 Select the item to adjust (①), then make adjustments (②).



- <HPF> Adjusts the crossover for the front ([Front]) or rear ([Rear]) speakers (high pass filter).
- <LPF> Adjusts the crossover for the subwoofer (low pass filter).
- <SW Level> Adjusts the subwoofer level.
- <Phase> Selects the phase for the subwoofer.\*
- <FREQ> Adjusts the crossover frequency.

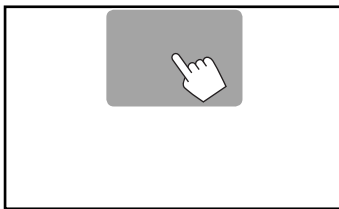
\* Not selectable when <FREQ> is set to <Through>.

### Adjustment for video playback

#### ❑ Adjusting the picture

You can adjust the picture quality.

- 1 Display the picture adjustment screen.  
On the source control screen:



- You can also display the picture adjustment screen by pressing [F] on the pop-up short-cut menu. (Page 9)

- 2 Select [☾] (dimmer on) or [☀] (dimmer off).



- 3 Adjust the picture.



- <Bright> Adjusts the brightness. (-15 to +15)
- <Contrast> Adjusts the contrast. (-10 to +10)
- <Black> Adjusts the blackness. (-10 to +10)
- <Color> Adjusts the color. (-10 to +10)
- <Tint> Adjusts the tint. (-10 to +10)
- <Sharpness> Adjusts the detail. (-2 to +2)



## SETTINGS

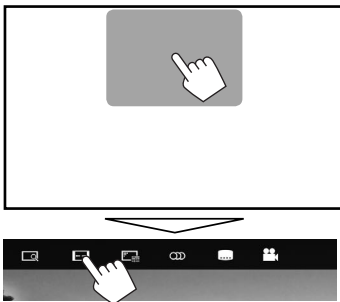
### Changing the aspect ratio

You can change the aspect ratio for video playback.

- You cannot change the aspect ratio while playing a USB device.

#### 1 Display the aspect ratio selection screen.

On the source control screen:



#### 2 Select the aspect ratio.



#### <Full>\*

For 16:9 original pictures



#### <Normal>\*

For 4:3 original pictures



#### <Just>

For viewing 4:3 pictures naturally on the wide screen



<Zoom1> – Changes the magnification.

- <Zoom3> –
- The aspect ratio is automatically selected to match the video source.

\* While DivX is played back with <Screen Ratio> set to [16:9] (Page 14), the aspect ratio may not set correctly.

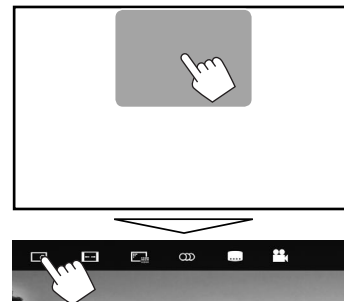
### Zooming the picture

You can zoom the picture (<Full>, <Zoom1> to <Zoom3>). Zooming is available only when discs are played back.

- When the aspect ratio is set to <Just>, the picture is zoomed with the aspect ratio of the <Full> setting.

#### 1 Display the magnification level selection screen.

On the source control screen:



#### 2 Change the magnification (①), then move the zooming frame (②).



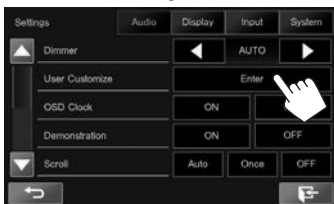
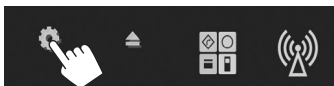
- [▲][▼][◀][▶] are not displayed when <Full> is selected.
- The zoom function cannot be used for some video sources.

## SETTINGS

### Changing the display design

You can change the Home screen design, background and panel color.

- 1 Display the **<User Customize>** screen.  
On the Home screen:



- You can also display the **<User Customize>** screen by pressing [F5] on the Home screen (Page 7) or pop-up short-cut menu (Page 9).

- 2 Select an item to change, then select the design or color.

#### To change the Home screen design:

Display the Home screen design selection screen (①), then select the Home screen design (②).

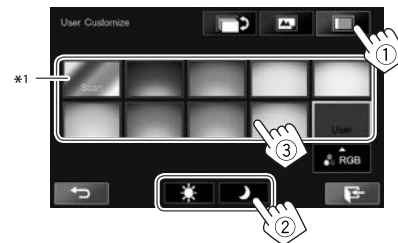


- The selectable background designs differ depending on the selected Home screen design.
- To automatically set the panel color to a color appropriate to the selected background design, select **[ON]** for **<SideBar Illumination Link>**. To set the panel color manually, select **[OFF]**.
- When the Home screen design is changed, source icon designs are also changed.

#### To change the panel color:

Display the panel color selection screen (①), select the dimmer setting ([☾]: dimmer on or [☀]: dimmer off) (②), then select the panel color (③).

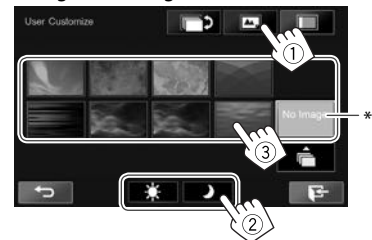
- You cannot select the panel color when **<SideBar Illumination Link>** is set to **[ON]**.



- You can also adjust the color yourself. Press **[RGB]** to display the color adjustment screen, then adjust the color.

#### To change the background design:

Display the background design selection screen (①), select the dimmer setting ([☾]: dimmer on or [☀]: dimmer off) (②), then select the background design (③).



\*1 Selecting this changes the illumination color gradually.

\*2 Store your own scene beforehand. (Page 43)

## SETTINGS

### ❑ Storing your favorite image for the background

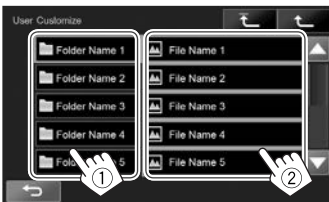
You can set your favorite image stored on the connected USB device.

- Use a JPEG/PNG/BMP file with a resolution of 800 x 480 pixels.
- The color of the captured image may look different from that of the actual scene.

- 1 Connect the USB device on which the image is stored. (Page 54)
- 2 Display the <User Customize> screen. (Page 42)
- 3 Display the file selection screen.



- 4 Select the file for the background image (①), then confirm the selection (②).



- You can change the page to display more items by pressing [▲]/[▼].
- Press [↶] to return to the root folder.
- Press [↷] to return to the upper layer.

- 5 Confirm the selection.



- The existing image is replaced with the new one.
- Press **[No]** to return to the previous screen.

## Customizing the Home screen

You can arrange the items to display on the Home screen.

- 1 Select an item to replace.

On the Home screen:

Press and hold the icon you want to replace.



The item selection screen is displayed.

- 2 Select the item you want to display in the position selected in step 1 (①), then press [↶] (②).



- Only selectable sources are shown.
- Repeat the procedure to place icons for other items.

# SETTINGS

## Customizing the system settings

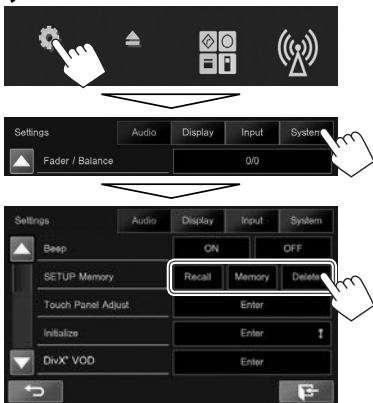
### ❑ Memorizing/recalling the settings

You can memorize the following settings:

- Settings on the <Settings> screen: **Fader/Balance, Equalizer, Loudness, X'over** (<HPF>/<LPF>/<SW Level> settings), **Volume Offset, Speaker Select, User Customize**
- Settings for "AV-IN": **AV-IN Name**

On the Home screen:

- Press [▼] repeatedly to change the page on the <System> menu screen.



- [Recall]** Recalls the memorized settings.
  - [Memory]** Memorizes the current settings.
  - [Delete]** Deletes the memorized settings.
- A confirmation message appears. Press **[Yes]**.

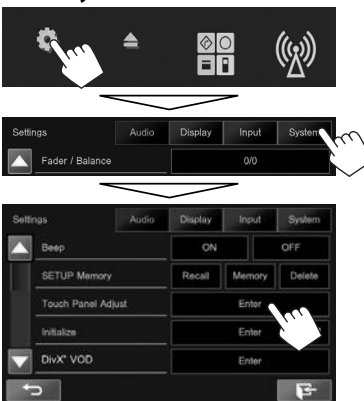
### ❑ Adjusting the touch position

You can adjust the touch position on the touch panel if the position touched and the operation performed do not match.

#### 1 Display the <Touch Panel Adjust> screen.

On the Home screen:

- Press [▼] repeatedly to change the page on the <System> menu screen.



#### 2 Touch the center of the marks at the lower left and at the upper right as instructed.



- To reset the touch position, press **[Reset]**.
- To cancel the current operation, press **[Cancel]**.

## SETTINGS

### ❑ Updating the system

You can update the system by connecting a USB device containing an update file.

- To update the system, visit <<http://www.jvc.net/cs/car/>>.

- 1 Create an update file, copy it to a USB device, and connect the device to the unit.
  - To connect a USB device, see page 54.

- 2 Display the <System Information> screen.

On the Home screen:

- Press [▼] repeatedly to change the page on the <System> menu screen.



3



<Application Version>

Updates the system application.

<System Version>

Updates the system.

<Bluetooth Version>

Updates the Bluetooth application.

It may take a while.

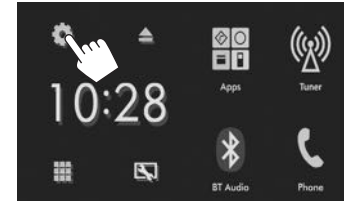
If the update has been completed successfully, "Update Completed" appears. Reset the unit.

- To finish the procedure, press [↵].
- Do not disconnect the USB device while updating.
- If the update has failed, turn the power off and then on, and retry the update.
- Even if you have turned off the power during the update, you can restart the update after the power is turned on. The update will be performed from the beginning.

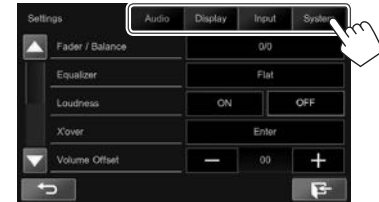
### Setting menu items

#### ❑ Displaying the <Settings> menu screen

- 1 Display the <Settings> screen.  
On the Home screen:



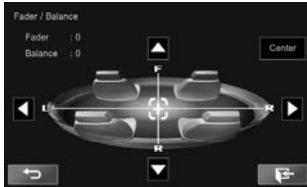
- 2 Select the setting menu.



## SETTINGS

### <Audio> setting screen

#### <Fader/Balance>



**Fader:** Adjusts the front and rear speaker output balance.

- **F6** to **R6** (Initial: **0**)
  - When using a two-speaker system, set the fader to the center (**0**).

**Balance:** Adjusts the left and right speaker output balance.

- **L6** to **R6** (Initial: **0**)
  - Press [▲]/[▼]/[◀]/[▶] or drag [⊕] to adjust.
  - To clear the adjustment, press [**Center**].

#### <Equalizer>

Change the sound mode or adjust and store the equalization for each source. (Page 39)

- **Flat** (Initial)/**Natural/Dynamic/Vocal Boost/Bass Boost/Vibrant/User**

#### <Loudness>

You can activate/deactivate loudness.

- **ON** (Initial): Boosts low and high frequencies to produce a well-balanced sound at a low volume level.
- **OFF:** Cancels.

#### <X'over>

Adjust the crossover frequency. (Page 40)

#### <Volume Offset>

Adjust and store the auto-adjustment volume level for each source. (For discs, the adjustment is stored for each of the following categories: DVD/DVD-VR/VCD, CD, and DivX/MPEG1/MPEG2/MP3/WMA/WMV/AAC.) The volume level will automatically increase or decrease when you change the source.

- **-15** to **+06** (Initial: **00**)

#### <Speaker Select>

Select the size of the connected speaker.

- **Standard** (Initial)/**Narrow/Middle/Wide**

### <Display> setting screen

#### <Dimmer>

- **AUTO** (Initial): Dims the screen and button illumination when you turn on the headlights.
- **ON:** Activates dimmer.
- **OFF:** Cancels.

#### <User Customize>

Change the display design (Home screen design, background and panel color). (Page 42)

#### <OSD Clock>

- **ON:** Displays the clock while a video source is played back.
- **OFF** (Initial): Cancels.

#### <Demonstration>

- **ON** (Initial): Activates the demonstration on the screen.
- **OFF:** Cancels.

#### <Scroll>

- **Auto:** Scrolls the displayed information repeatedly.
  - **Once** (Initial): Scrolls the displayed information once.
  - **Off:** Cancels.
- Touching the information bar scrolls the text regardless of this setting.

#### <Screen Adjustment>

Adjust the brightness and blackness of the screen.

Press [**Enter**] to display the setting screen, select [☾] (dimmer on)/[☀] (dimmer off), then change the following settings:

- **Bright:** Adjusts brightness.
  - **-15** to **+15** (Initial: **0** for dimmer on/+15 for dimmer off)
- **Black:** Adjusts blackness.
  - **-10** to **+10** (Initial: **0**)

#### <Parking Guidelines>

- **ON** (Initial): Displays the parking guidelines. (Page 26)
- **OFF:** Cancels.

#### <Guidelines Setup>

Adjust the parking guidelines. (Page 26)

## SETTINGS

### <Input> setting screen

#### <R-CAM Interrupt>

- **ON** (Initial): Displays the picture from the rear view camera when you shift the gear to the reverse (R) position.
- **OFF**: Select this when no camera is connected.

### <System> setting screen

#### <Language>

Select the text language used for on-screen information.

- **English** (Initial)/**Español**/**Français**/**Deutsch**/**Italiano**/**Nederlands**/**Português**/**Türkçe**/**Русский**/**עברית**/**العربية**/**فارسی**/**עברית**/**תלugu**/**简体中文**/**繁體中文**/**Bahasa Malaysia**/**Bahasa Indonesia**
- **GUI Language**: Selects the language used for displaying operation buttons and menu items.
  - **Local** (the language selected above)/**English** (Initial)

#### <Calendar Setting>

Adjust the calendar/clock time. (Page 4)

#### <iPod Setup>

Configure the settings of iPod. (Page 17)

#### <APP Setup>

- **APP Connection Setup**: Configures the Apps settings. (Page 37)
- **APP Interrupt Volume**: Adjusts the App volume.
  - **0** to **35** (Initial: **17**)

#### <Bluetooth Setup>

Configure settings for using a Bluetooth device, such as connection and other general operations. (Page 36)

#### <Beep>

- **ON** (Initial): Activates the key-touch tone.
- **OFF**: Cancels.

#### <SETUP Memory>

Memorize, recall, or clear the settings you have made. (Page 44)

#### <Touch Panel Adjust>

Adjust the touch positions of the buttons on the screen. (Page 44)

#### <Initialize>

Initialize all settings you have made. Hold **[Enter]** to initialize the settings.

- After initializing the settings, adjust the settings on the **<Initial Settings>** screen. (Page 4)

#### <DivX® VOD>

This unit has its own Registration Code. Once you have played back a file with the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.

- Press **[Enter]** to display the information.
- To return to the previous screen, press **[OK]**.

#### <System Information>

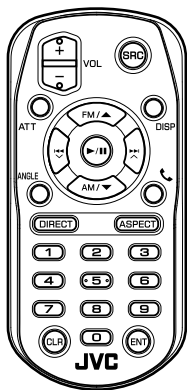
Displays the version information of the software. You can update the software. (Page 45)

#### <Open Source Licenses>

Shows the Open Source Licenses.

# REMOTE CONTROLLER

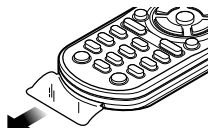
To use the remote controller, purchase RM-RK258 separately.



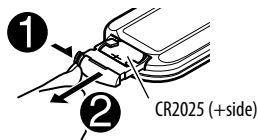
## Preparation

### ❑ Removing the battery sheet

Pull the battery sheet out from the remote controller to activate the battery.



### ❑ Changing the battery of the remote controller



- Use a commercially available button battery (CR2025).
- Insert the battery with the + and - poles aligned properly.
  - If the effectiveness of the remote controller decreases, replace the battery.

### ⚠ Caution:

- Keep the battery out of reach of children and in original package until ready to use. Dispose of used batteries promptly. If swallowed contact physician immediately.
- Do not leave the battery near fire or under direct sunlight. A fire, explosion or excessive heat generation may result.
- Do not set the remote control in hot places such as on the dashboard.
- Danger of explosion if Lithium battery is incorrectly replaced. Replace only with the same or equivalent type.

### Before using the remote controller:





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



## REMOTE CONTROLLER

### Operations using the remote controller (RM-RK258)

#### Basic button functions

ATT	Attenuates/restores the sound.
DISP	Switches the screen between the current source and the App screen from the connected iPod touch/iPhone/Android.
FM/▲ / AM/▼	<ul style="list-style-type: none"> <li>• Selects the band.</li> <li>• Selects a title/item/folder.</li> </ul>
 	<ul style="list-style-type: none"> <li>• Searches for stations automatically.</li> <li>• Searches for stations manually. (Hold)</li> <li>• Selects a track.</li> </ul>
VOL +/ VOL -	Adjusts the volume level.
SRC	Selects the source.
	Starts/pauses playback.
	Answers incoming calls.
0 - 9	Enters a number. (See the far right column.)

1 - 6	Enters preset station number.
ANGLE	Not used for this unit.
ASPECT	Changes the aspect ratio. <ul style="list-style-type: none"> <li>• To check the current aspect ratio setting, operate on the touch panel. (Page 41)</li> </ul>
ENT	Confirms selection.
DIRECT	Enters direct search mode. (See the right column.)
CLR	Erases the misentry.

#### Searching for an item directly Tuner frequency

- 1 Press DIRECT to enter the search mode.
- 2 Press number buttons to enter a frequency.
  - To erase a misentry, press CLR (clear).
- 3 Press ENT to confirm the entry.

- To exit the search mode, press DIRECT.

#### Chapter/title/folder/file/track on the disc

- 1 Press DIRECT to enter the search mode.
  - Each time you press DIRECT, the item to search for changes.
- 2 Press a number button to select a desired item.
  - To erase a misentry, press CLR (clear).
- 3 Press ENT to confirm the entry.

- To exit the search mode, press DIRECT.

#### Disc operations

##### Using the VCD menu

- 1 Press DIRECT to enter the search mode.
- 2 Press a number button to select the item you want to play.
- 3 Press ENT to confirm the entry.

- To exit the search mode, press DIRECT.

# CONNECTION/INSTALLATION

## Before installing the unit

### ⚠ WARNING

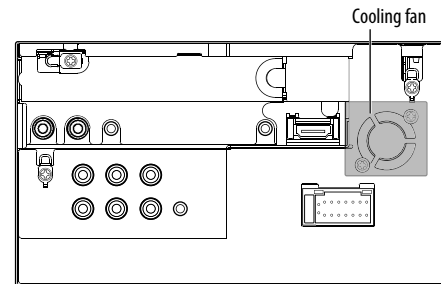
- If you connect the ignition wire (red) and the battery wire (yellow) to the car chassis (ground), you may cause a short circuit, that in turn may start a fire. Always connect those wires to the power source running through the fuse box.
- Do not cut out the fuse from the ignition wire (red) and the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

### ⚠ Precautions on installation and connection

- 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 12 V DC power supply.
- Do not install the unit in a location 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 ("Miswiring DC Offset Error", "Warning DC Offset Error" is displayed), the speaker wire may have a short circuit or have 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 fuse blows, first make sure the wires are not 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  $\ominus$  wires or ground them to any metal part in the car.
- When only two speakers are being connected to the system, connect both connectors either to the front output terminals or to the rear output terminals (do not mix front and rear). For example, if you connect the  $\oplus$  connector of the left speaker to a front output terminal, do not connect the  $\ominus$  connector to a rear output terminal.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- Mount the unit so that the mounting angle is 30° or less.
- Do not press hard on the panel surface when installing the unit in the vehicle. Otherwise scratches, damage, or failure may result.

- This unit has a cooling fan to decrease the internal temperature. Do not mount the unit in a place where the cooling fan of the unit is blocked. Blocking these openings will prevent the cooling of the internal temperature and result in malfunction.



### ⚠ CAUTION

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

## CONNECTION/INSTALLATION

### ❑ Supplied accessories for installation

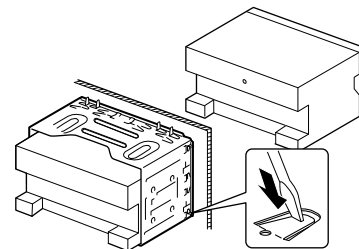
- ① Wiring harness x 1
- ② Trim plate x 1
- ③ Extension wire (2 m) x 1
- ④ Extraction keys x 2
- ⑤ Microphone (3 m) x 1
- ⑥ Fixture for HDMI/MHL connector x 1
- ⑦ Screws for fixture (M2.6 x 6 mm) x 1

### ❑ Installation procedure

- 1 To prevent a short circuit, remove the key from the ignition and disconnect the ⊖ battery.
- 2 Make the proper input and output wire connections for each unit.
- 3 Connect the speaker wires of the wiring harness.
- 4 Take Connector B on the wiring harness and connect it to the speaker connector in your vehicle.
- 5 Take Connector A on the wiring harness and connect it to the external power connector in your vehicle.
- 6 Connect the wiring harness connector to the unit.
- 7 Install the unit in your car.
  - Make sure that the unit is installed securely in place. If the unit is unstable, it may malfunction (e.g., the sound may skip).
- 8 Reconnect the ⊖ battery.
- 9 Press the reset button.
- 10 Configure <Initial Setup>. (Page 4)

### Installing/removing the unit

#### ❑ Installing the unit

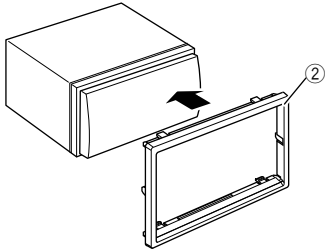


- Bend the tabs of the mounting sleeve with a screwdriver or similar utensil and attach it in place.

## CONNECTION/INSTALLATION

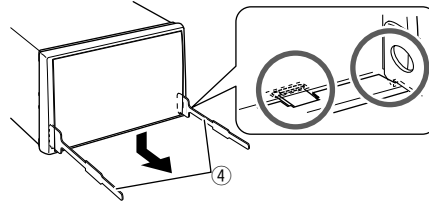
### ❑ Installing the trim plate

Attach the trim plate (2).

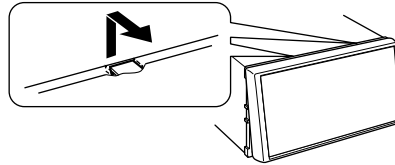


### ❑ Removing the trim plate

- 1 Engage the catch pins on the extraction key (4) and remove the two locks on the lower part. Lower the frame and pull it forward.



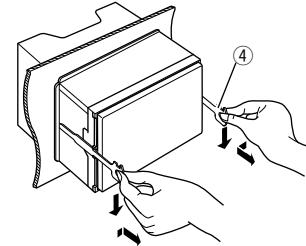
- 2 Remove from the upper two catches.



- The frame can be removed from the top side in the same manner.

### ❑ Removing the unit

- 1 Remove the trim plate. (See the left column.)
- 2 Insert the two extraction keys (4), then pull them as illustrated so that the unit can be removed.

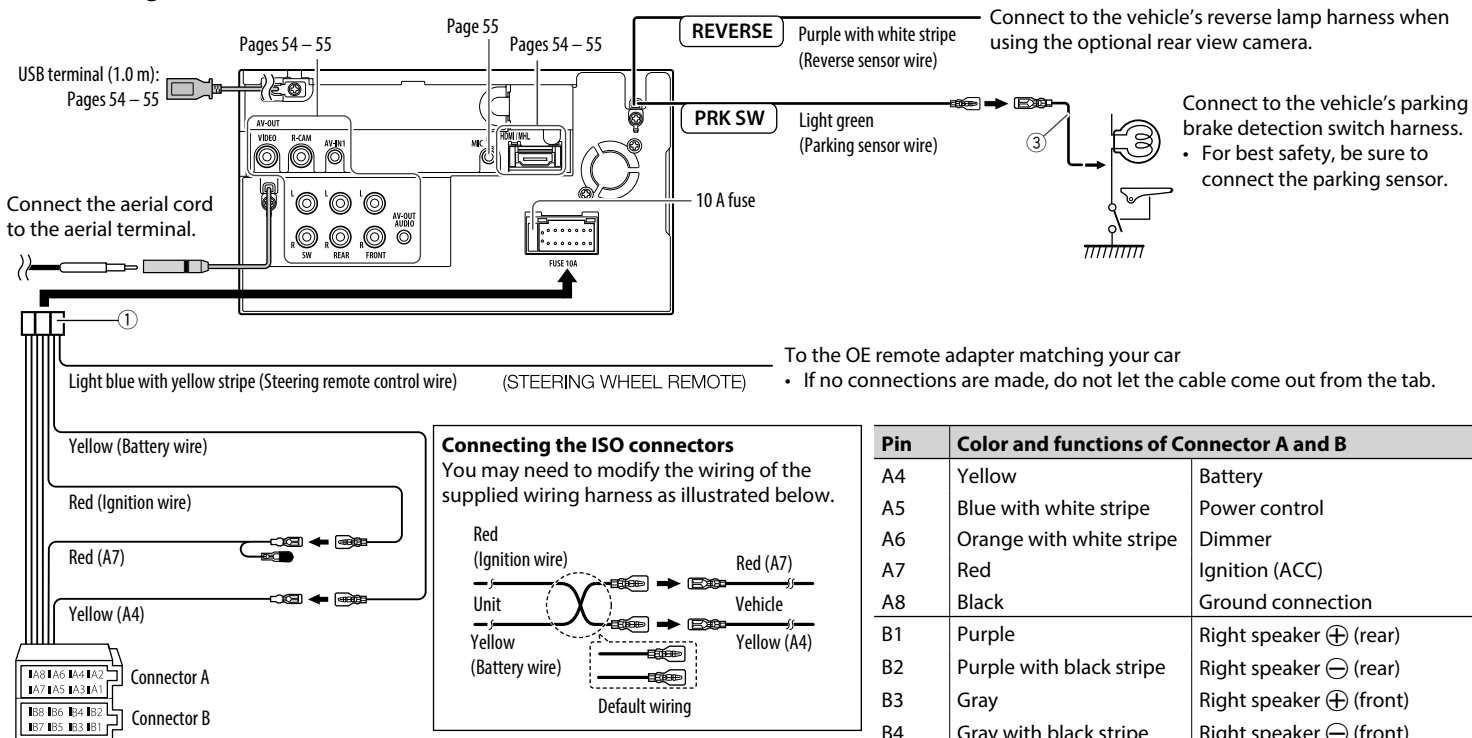


- Be careful to avoid injury from the catch pins on the extraction key.

# CONNECTION/INSTALLATION

## Connection

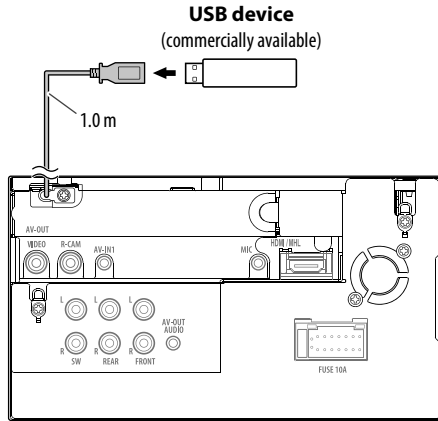
### Connecting wires to terminals



Pin	Color and functions of Connector A and B	
A4	Yellow	Battery
A5	Blue with white stripe	Power control
A6	Orange with white stripe	Dimmer
A7	Red	Ignition (ACC)
A8	Black	Ground connection
B1	Purple	Right speaker ⊕ (rear)
B2	Purple with black stripe	Right speaker ⊖ (rear)
B3	Gray	Right speaker ⊕ (front)
B4	Gray with black stripe	Right speaker ⊖ (front)
B5	White	Left speaker ⊕ (front)
B6	White with black stripe	Left speaker ⊖ (front)
B7	Green	Left speaker ⊕ (rear)
B8	Green with black stripe	Left speaker ⊖ (rear)

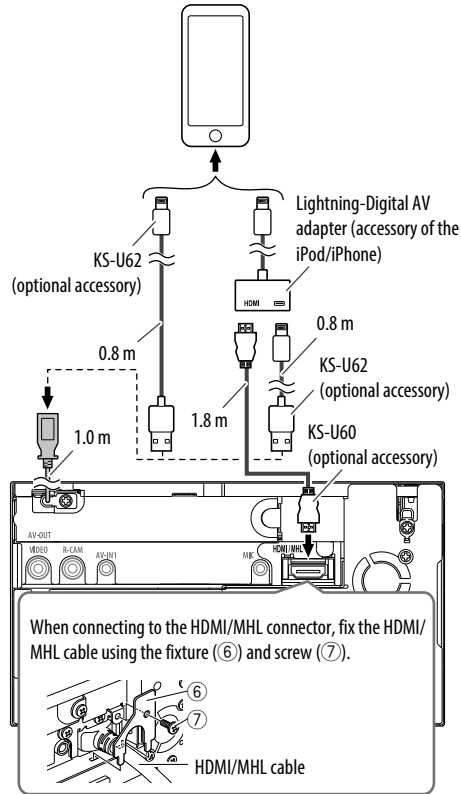
## CONNECTION/INSTALLATION

### ❑ Connecting a USB device

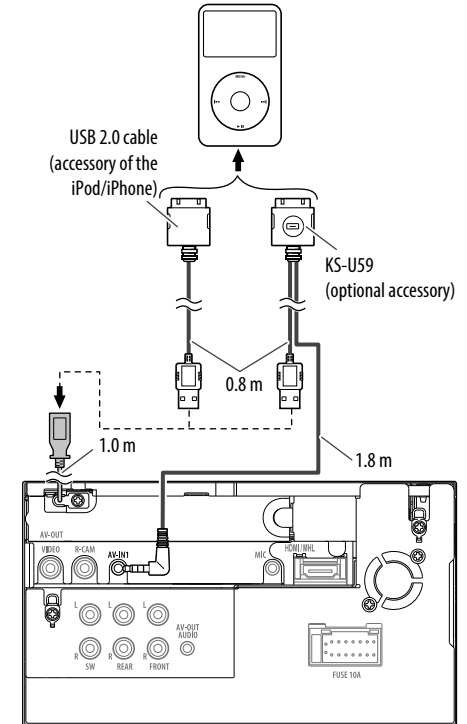


### ❑ Connecting an iPod/iPhone

iPod/iPhone (Lightning connector models)  
(commercially available)

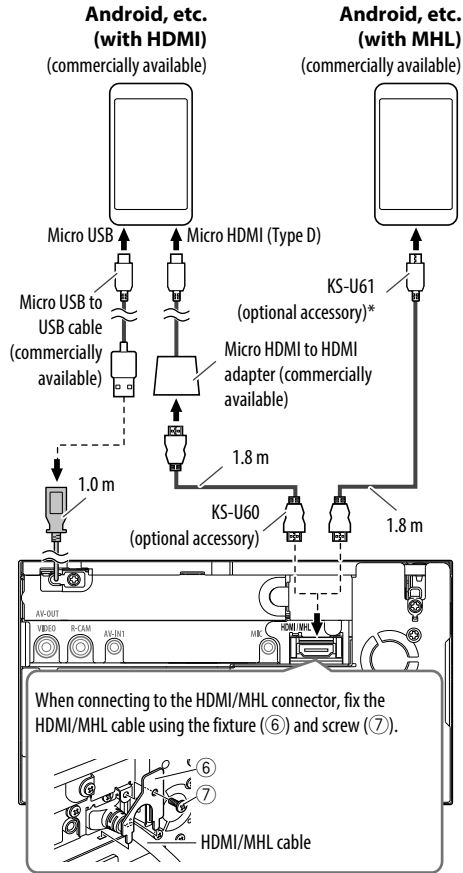


iPod/iPhone (30-pin connector models)  
(commercially available)



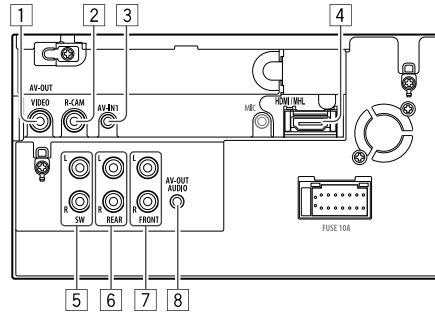
## CONNECTION/INSTALLATION

### Connecting a Smartphone



\* Use a conversion adapter to connect to smartphones if necessary.

### Connecting external components



- 1 AV-OUT/Video output (Yellow)
- 2 Rear view camera input (Yellow)
- 3 Audio Video input (AV-IN1)
  - Connect the following type of 4-pole mini plug:



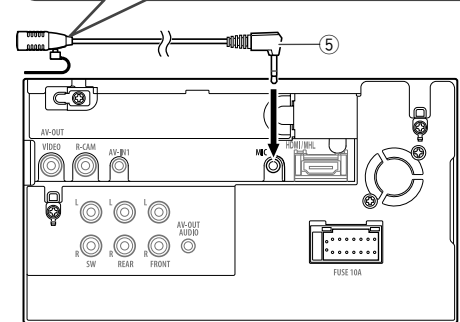
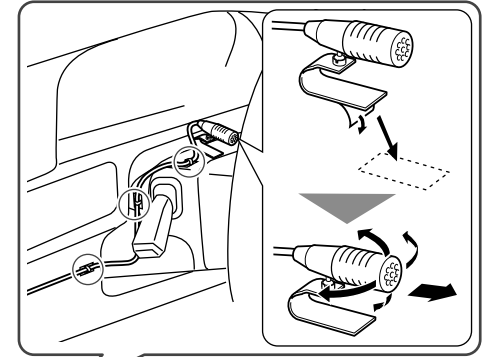
- 4 HDMI/MHL input
- 5 Subwoofer preout (monaural output)\*
  - Subwoofer left output (White)
  - Subwoofer right output (Red)
- 6 Rear preout\*
  - Audio left output (White)
  - Audio right output (Red)
- 7 Front preout\*
  - Audio left output (White)
  - Audio right output (Red)
- 8 AV-OUT/ Audio output (ø3.5 mini jack)  
Resistance-free stereo type mini plug

\* When connecting an external amplifier, connect its ground wire to the chassis of the car; otherwise the unit may be damaged.

### Connecting microphone for Bluetooth

Connect the microphone (5) to the MIC terminal.

- To install the microphone, peel off the adhesive tape, fix on the installation position, then adjust the direction of the microphone to face the driver. After installing, fix the microphone cable to the car with clamps (commercially available).



# REFERENCES

## Maintenance

### ❑ Caution on cleaning the unit

Do not use any solvent (for example, thinner, benzine, etc.), detergent, or insecticide. This may damage the monitor or the unit.

### Recommended cleaning method:

Gently wipe the panel with a soft, dry cloth.

### ❑ Moisture condensation

Moisture may condense on the lens inside the unit in the following cases:

- After starting the heater in the car.
- If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

### ❑ How to handle discs

- When removing a disc from its case, press down the center holder of the case and lift the disc out, holding it by the edges.



- Always hold the disc by the edges. Do not touch its recording surface.
- When storing a disc in its case, gently insert the disc around the center holder (with the printed surface facing up).
  - Make sure to store discs in their cases after use.

### ❑ To keep discs clean

Dirty discs may not play correctly.

If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.



- Do not use any solvents (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.

### ❑ To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.



- To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

## More information

### ❑ File playback

#### Playing DivX files (for discs only)

- This unit can play back DivX files with the extension code <.divx>, <.div>, or <.avi> (regardless of the letter case—upper/lower).
- Audio streams should conform to MP3 or Dolby Digital.
- The file encoded in the interlaced scanning mode may not be played back correctly.
- The maximum bit rate for video signals (average) is 4 Mbps.

#### Playing MPEG1/MPEG2 files

- This unit can play back MPEG1/MPEG2 files with the extension code <.mpg> or <.mpeg>.
- The stream format should conform to MPEG system/program stream.  
The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2 or Dolby Digital.
- The maximum bit rate for video signals (average) is 4 Mbps.



## REFERENCES

### Playing H.264/WMV files (for USB only)

- This unit can play back files with the extension code <.mp4>, <.wmv>, <.avi> or <.mkv>.
- This unit can only play back files which are less than 2 GB.
- The stream format should conform to MPEG system/program stream.

### Playing JPEG/BMP/PNG files (for USB only)

- This unit can play back picture files with the extension code <.jpg>, <.jpeg>, <.bmp> or <.png>.
- This unit can play back files that are at 32 x 32 to 8 192 x 7 680 (PNG: 800 x 480) resolution. It may take time to display the file depending on its resolution.
- This unit can play back baseline JPEG files. Progressive JPEG files or lossless JPEG files cannot be played.

### Playing audio files (for discs: MP3/WMA/AAC, for USB: MP3/WMA/WAV/AAC/FLAC)

- This unit can play back files with the extension code <.mp3>, <.wma>, <.wav>, <.m4a> or <.flac> (regardless of the letter case—upper/lower).
- This unit can play back files that meet the conditions below:
  - Bit rate:
    - MP3: 8 kbps – 320 kbps
    - WMA: 48 kbps – 192 kbps
    - AAC: For discs: 16 kbps – 320 kbps  
For USB: 32 kbps – 320 kbps
  - Sampling frequency:
    - MP3: 8 kHz – 48 kHz
    - WMA: For discs: 32 kHz – 48 kHz  
For USB: 8 kHz – 48 kHz
    - WAV: 32 kHz/44.1 kHz/48 kHz
    - AAC: 16 kHz – 48 kHz
    - FLAC : 8 kHz – 48 kHz
- This unit can show ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- This unit can also show WMA/AAC/FLAC Tag.
- This unit can play back files recorded in VBR (variable bit rate).
- Files recorded in VBR have a discrepancy in elapsed time indication.

- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded with Layer 1/2.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA/AAC files copy-protected with DRM.
  - AAC files encoded using any other application than iTunes.
  - AAC files copy-protected with FairPlay (except those stored on an iPod).
  - Files which have data such as AIFF, ATRAC3, etc.
- This unit can display jacket pictures that meet the conditions below:
  - Picture size: 32 x 32 to 1 232 x 672 resolution
  - Data size: less than 650 KB
  - File type: JPEG/PNG/BMP

## REFERENCES

### ❑ Disc playback

#### Playable disc types

Disc type	Recording format, file type, etc.
<b>DVD</b> <ul style="list-style-type: none"> <li>DTS sound cannot be reproduced or emitted from this unit.</li> </ul>	DVD Video* <sup>1</sup>
<b>DVD Recordable/Rewritable (DVD-R/-RW*<sup>2</sup>, +R/+RW*<sup>3</sup>)</b> <ul style="list-style-type: none"> <li>DVD Video: UDF bridge</li> <li>DVD-VR</li> <li>DivX/MPEG1/MPEG2/MP3/WMA/AAC: ISO 9660 level 1, level 2, Romeo, Joliet</li> </ul>	<ul style="list-style-type: none"> <li>DVD Video</li> <li>DVD-VR*<sup>4</sup></li> <li>DivX/MPEG1/MPEG2</li> <li>MP3/WMA/AAC</li> </ul>
<b>Dual Disc</b>	DVD side
<b>CD/VCD</b>	<ul style="list-style-type: none"> <li>VCD (Video CD)</li> <li>Audio CD/CD Text (CD-DA)</li> </ul>
<b>CD Recordable/Rewritable (CD-R/-RW)</b> <ul style="list-style-type: none"> <li>ISO 9660 level 1, level 2, Romeo, Joliet</li> </ul>	<ul style="list-style-type: none"> <li>VCD (Video CD)</li> <li>CD-DA</li> <li>DivX/MPEG1/MPEG2</li> <li>MP3/WMA/AAC</li> </ul>

\*<sup>1</sup> DVD Region code: 2

If you insert a DVD Video disc of an incorrect Region Code, "Region Code Error" appears on the screen.

\*<sup>2</sup> DVD-R recorded in multi-border format are also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

\*<sup>3</sup> It is possible to play back finalized +R/+RW (Video format only) discs. "DVD" is selected as the disc type when a +R/+RW disc is loaded. +RW double layer discs are not playable.

\*<sup>4</sup> This unit cannot play back contents protected with CPRM (Content Protection for Recordable Media).

### Unplayable discs

- Unplayable disc types and formats are as follows:
  - DVD-Audio/DVD-ROM discs
  - MPEG4/WAV/JPEG/FLAC/MKV/DVD+VR/DVD-RAM recorded on DVD-R/RW or +R/+RW
  - SVCD (Super Video CD), CD-ROM, CD-I (CD-I Ready), DTS-CD
  - MPEG4/WAV/JPEG/FLAC/MKV recorded on CD-R/RW
- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/Rewritable discs that have not been finalized.
- 8 cm discs. Attempting to insert using an adapter may cause a malfunction.

### DualDisc playback

The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of the Non-DVD side of a DualDisc on this product cannot be recommended.

### Playing Recordable/Rewritable discs

- This unit can recognize a total of 64 770 files and 254 folders (a maximum of 255 files per folder).
- Use only "finalized" discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some discs or files may not be played back due to their characteristics or recording conditions.
- Up to 64 characters of disc information can be displayed.

### ❑ About data stored in the connected USB device/iPod/iPhone

- We bear no responsibility for any loss of data in iPod/iPhone and USB mass storage class devices while using this unit.

### ❑ USB playback

#### Playable files on a USB device

- This unit can play the following types of files stored in a USB mass storage class device.
  - JPEG/BMP/PNG/MPEG1/MPEG2/MP3/WMA/WAV/AAC/FLAC/MPEG4/H.264/MPEG4 AVC/AVI/MKV/WMV
- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Make sure all important data has been backed up to avoid losing the data.

#### Notes on using a USB device

- This unit may not play back files in a USB device properly when using a USB extension cable.
- USB devices equipped with special functions such as data security functions cannot be used with the unit.
- Do not use a USB device with 2 or more partitions.
- Depending on the shape of the USB devices and connection ports, some USB devices may not be attached properly or the connection might be loose.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1 A.
- This unit may not recognize a memory card inserted into a USB card reader.

## REFERENCES

- Connect only one USB device to the unit at a time. Do not use a USB hub.
- When connecting with a USB cable, use a USB 2.0 cable.
- The maximum number of characters (when the characters are 1 byte):
  - Folder names: 128 characters
  - File names: 128 characters
- Avoid using the USB device if it might affect driving safety.
- Do not pull out and connect the USB device repeatedly while “Now Reading...” is shown on the screen.
- Electrostatic shock at connecting a USB device may cause abnormal playback of the device. In this case, disconnect the USB device then reset this unit and the USB device.
- Operation and power supply may not work as intended for some USB devices.
- Do not leave a USB device in the car, or expose to direct sunlight or high temperature to prevent deformation or damage to the device.

### ❑ Notes on playing iPod/iPhone

- iPod/iPhone that can be connected to this unit:
  - Made for
    - iPod with video
    - iPod classic
    - iPod nano (7th Generation)
    - iPod nano (6th Generation)
    - iPod nano (5th Generation)
    - iPod nano (4th Generation)
    - iPod nano (3rd Generation)
    - iPod touch (5th Generation)
    - iPod touch (4th Generation)
    - iPod touch (3rd Generation)
    - iPod touch (2nd Generation)
    - iPod touch (1st Generation)
  - iPhone 6 Plus
  - iPhone 6
  - iPhone 5S
  - iPhone 5C
  - iPhone 5
  - iPhone 4S
  - iPhone 4
  - iPhone 3GS
  - iPhone 3G
  - iPhone

- When operating an iPod/iPhone, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:  
<<http://www.jvc.net/cs/car/>>
- For some iPod/iPhone models, the performance may be abnormal or unstable during operation. In this case, disconnect the iPod/iPhone device, then check its condition.  
If the performance is not improved or slow, reset your iPod/iPhone.
- When you turn on this unit, the iPod/iPhone is charged through the unit.
- The text information may not be displayed correctly.

### ❑ Sound signals emitted through the rear terminals

#### **Through the analog terminals (Speaker out/REAR preout/Front preout/AV-OUT AUDIO)**

A 2-channel signal is emitted. When playing a multi-channel encoded disc, multi-channel signals are downmixed.

## REFERENCES

### □ Language codes (for DVD/DVD-VR language selection)

AA	Afar	GL	Galician	MI	Maori	SO	Somali
AB	Abkhazian	GN	Guarani	MK	Macedonian	SQ	Albanian
AF	Afrikaans	GU	Gujarati	ML	Malayalam	SR	Serbian
AM	Ameharic	HA	Hausa	MN	Mongolian	SS	Siswati
AR	Arabic	HI	Hindi	MO	Moldavian	ST	Sesotho
AS	Assamese	HR	Croatian	MR	Marathi	SU	Sundanese
AY	Aymara	HU	Hungarian	MS	Malay (MAY)	SW	Swahili
AZ	Azerbaijani	HY	Armenian	MT	Maltese	TA	Tamil
BA	Bashkir	IA	Interlingua	MY	Burmese	TE	Telugu
BE	Byelorussian	IE	Interlingue	NA	Nauru	TG	Tajik
BG	Bulgarian	IK	Inupiak	NE	Nepali	TH	Thai
BH	Bihari	IN	Indonesian	NO	Norwegian	TI	Tigrinya
BI	Bislama	IS	Icelandic	OC	Occitan	TK	Turkmen
BN	Bengali, Bangla	IW	Hebrew	OM	(Afan) Oromo	TL	Tagalog
BO	Tibetan	JA	Japanese	OR	Oriya	TN	Setswana
BR	Breton	JI	Yiddish	PA	Panjabi	TO	Tonga
CA	Catalan	JW	Javanese	PL	Polish	TR	Turkish
CO	Corsican	KA	Georgian	PS	Pashto, Pushto	TS	Tsonga
CS	Czech	KK	Kazakh	QU	Quechua	TT	Tatar
CY	Welsh	KL	Greenlandic	RM	Rhaeto-Romance	TW	Twi
DZ	Bhutani	KM	Cambodian	RN	Kirundi	UK	Ukrainian
EL	Greek	KN	Kannada	RO	Rumanian	UR	Urdu
EO	Esperanto	KO	Korean (KOR)	RW	Kinyarwanda	UZ	Uzbek
ET	Estonian	KS	Kashmiri	SA	Sanskrit	VI	Vietnamese
EU	Basque	KU	Kurdish	SD	Sindhi	VO	Volapuk
FA	Persian	KY	Kirghiz	SG	Sangho	WO	Wolof
FI	Finnish	LA	Latin	SH	Serbo-Croatian	XH	Xhosa
FJ	Fiji	LN	Lingala	SI	Singhalese	YO	Yoruba
FO	Faroese	LO	Laothian	SK	Slovak	ZU	Zulu
FY	Frisian	LT	Lithuanian	SL	Slovenian		
GA	Irish	LV	Latvian, Lettish	SM	Samoan		
GD	Scots Gaelic	MG	Malagasy	SN	Shona		

### Error message list

If an error occurs while using the unit, a message appears. Take appropriate action according to the following message/remedy/cause list.

#### “No Signal”:

- Start playback on the external component connected to the AV-IN1 input terminal.
- Start playback on the smartphone connected to the HDMI/MHL input terminal.
- Check the cords and connections.
- Signal input is too weak.

#### “Miswiring DC Offset Error”/“Warning DC Offset Error”:

- A speaker cord has shorted or it has come into contact with the car chassis. Wire or insulate the speaker cord as appropriate, then reset the unit. (Pages 3 and 53)

#### “Parking Off”:

- No playback picture is shown when the parking brake is not engaged.

#### “Restricted Device”:

- Check whether the connected iPod/iPhone is compatible with this unit. (Page 59)

#### “Unsupported File”:

- Check whether the file is compatible with this unit. (Page 56)

#### “USB Device Error”:

- The USB power voltage is abnormal.
- Turn off and turn on the unit.
- Connect another USB device.

## REFERENCES

### “Connection Error”:

- The device is registered but the connection has failed. Connect the registered device. (Page 30)

### “Please Wait...”:

- The unit is preparing to use the Bluetooth function. If the message does not disappear, turn off and turn on the unit, then connect the device again (or reset the unit).

### “No Voice Device”:

- The connected mobile phone does not have a voice recognition system.

### “No Data”:

- No phone book data is contained in the connected Bluetooth phone.

### “Initialize Error”:

- The unit has failed to initialize the Bluetooth module. Try the operation again.

### “Dial Error”:

- Dialing has failed. Try the operation again.

### “Hung Up Error”:

- The call has not ended yet. Park your car, and use the connected mobile phone to end the call.

### “Pick Up Error”:

- The unit has failed to receive a call.

## Troubleshooting

What appears to be trouble is not always serious. Check the following points before calling a service center.

- For operations with the external components, refer also to the instructions supplied with the adapters used for the connections (as well as the instructions supplied with the external components).

### □ General

#### No sound comes out of the speakers.

- Adjust the volume to the optimum level.
- Check the cords and connections.

#### No picture is displayed on the screen.

- Turn on the screen. (Page 5)

#### The unit does not work at all.

- Reset the unit. (Page 3)

#### The remote controller\* does not work.

- Replace the battery.

\* Purchase RM-RK258 separately.

### □ Discs

#### Recordable/Rewritable discs cannot be played back.

- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

#### Tracks on the Recordable/Rewritable discs cannot be skipped.

- Insert a finalized disc.
- Finalize the discs with the component which you used for recording.

#### Playback does not start.

- The format of files is not supported by the unit.

#### No picture appears on the external monitor.

- Connect the video cord correctly.
- Select the correct input on the external monitor.

#### DivX/MPEG1/MPEG2/MP3/WMA/AAC discs cannot be played back.

- Record the tracks using a compatible application on the appropriate discs. (Page 58)
- Add appropriate extension codes to the file names.

#### Tracks on the Recordable/Rewritable discs are not played back as you have intended them to play.

- Playback order may differ from the one played back using other players.

## REFERENCES

### ❑ USB

**“Now Reading...” does not disappear from the screen.**

- Turn the power off and on again.

**While playing a track, sound is sometimes interrupted.**

- The tracks are not properly copied into the USB device. Copy the tracks again, and try again.

**Tracks are not played back as you have intended them to play.**

- Playback order may differ from the one played back using other players.

### ❑ iPod/iPhone

**No sound comes out of the speakers.**

- Disconnect the iPod/iPhone, then connect it again.
- Select another source, then reselect “iPod”.

**The iPod/iPhone does not turn on or does not work.**

- Check the connecting cable and its connection.
- Update the firmware version.
- Charge the battery.
- Reset the iPod/iPhone.

**Sound is distorted.**

- Deactivate the equalizer either on this unit or the iPod/iPhone.

**A lot of noise is generated.**

- Turn off (uncheck) “VoiceOver” on the iPod/iPhone. For details, visit <<http://www.apple.com>>.

**No operations are available when playing back a track containing artwork.**

- Operate the unit after the artwork has loaded.

**Videos cannot be played.**

- Connect with USB Audio and Video cable JVC KS-U59 (optional accessory) for iPod/iPhone 30-pin connector model or JVC KS-U60 (optional accessory) and JVC KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone) for iPod/iPhone Lightning model. Other cables cannot be used.

**No sound of videos comes out.**

- Connect with USB Audio and Video cable JVC KS-U59 (optional accessory) for iPod/iPhone 30-pin connector model or JVC KS-U60 (optional accessory) and JVC KS-U62 (optional accessory) through a Lightning-Digital AV adapter (accessory of the iPod/iPhone) for iPod/iPhone Lightning model. Other cables cannot be used.

### ❑ Tuner

**SSM automatic presetting does not work.**

- Store stations manually. (Page 22)

**Static noise while listening to the radio.**

- Connect the aerial firmly.

### ❑ AV-IN

**No picture appears on the screen.**

- Turn on the video component if it is not on.
- Connect the video component correctly.

### ❑ Bluetooth

**Phone sound quality is poor.**

- Reduce the distance between the unit and the Bluetooth mobile phone.
- Move the car to a place where you can get a better signal reception.

**The sound is interrupted or skipped while using a Bluetooth audio player.**

- Reduce the distance between the unit and the Bluetooth audio player.
- Disconnect the device connected for Bluetooth phone.
- Turn off, then turn on the unit. (When the sound is not yet restored) connect the player again.

**The connected audio player cannot be controlled.**

- Check whether the connected audio player supports AVRCP (Audio/Video Remote Control Profile).

**The Bluetooth device does not detect the unit.**

- Search from the Bluetooth device again.

## REFERENCES

### The unit does not pair with the Bluetooth device.

- For devices compatible with Bluetooth 2.1:  
Register the device using a PIN code. (Page 29)
- For devices compatible with Bluetooth 2.0:  
Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated in its instructions, try "0000" or "1234."
- Turn off, then turn on the Bluetooth device.

### Echo or noise occurs.

- Adjust the microphone unit position.
- Adjust the echo volume or noise reduction volume. (Page 31)

### The unit does not respond when you try to copy the phone book to the unit.

- You may have tried to copy the same entries (as stored) to the unit.

## Specifications

### Monitor section

Picture Size (W x H)	6.2 inches (diagonal) wide 137.5 mm × 77.2 mm
Display System	Transparent TN LCD panel
Drive System	TFT active matrix system
Number of Pixels	1 152 000 (800H × 480V × RGB)
Effective Pixels	99.99 %
Pixel Arrangement	RGB striped arrangement
Back Lighting	LED

### DVD player section

D/A Converter	24 bit
Audio Decoder	Linear PCM/Dolby Digital/MP3/WMA/AAC
Video Decoder	MPEG1/MPEG2/DivX
Wow & Flutter	Below Measurable Limit
Frequency Response	96 kHz Sampling: 20 Hz to 22 000 Hz 48 kHz Sampling: 20 Hz to 22 000 Hz 44.1 kHz Sampling: 20 Hz to 20 000 Hz
Total Harmonic Distortion	0.010 % (1 kHz)
Signal to Noise Ratio	94 dB (DVD-Video 96 kHz)
Dynamic Range	91 dB (DVD-Video 96 kHz)
Disc Format	DVD-Video/DVD-VR/VIDEO-CD/CD-DA/DVD-R/DVD-RW/+R/+RW
Sampling Frequency	44.1 kHz/48 kHz/96 kHz
Quantifying Bit Number	16/20/24 bit

## REFERENCES

### ❑ USB interface section

USB Standard USB 2.0 High Speed

Compatible Devices

Mass storage class

File System FAT 16/32

Maximum Power Supply Current

DC 5 V  $\Rightarrow$  1.0 A

D/A Converter 24 bit

Audio Decoder MP3/WMA/WAV/AAC (AAC-LC/.m4a files)/FLAC

Video Decoder MPEG1/MPEG2/MPEG4/H.264/MPEG4-AVC/WMV/JPEG/PNG/BMP

### ❑ HDMI interface section

Connector Type TYPE-A

Input Resolution VGA (640 × 480p@59.94 Hz/60 Hz), 480p (720 × 480p @59.94 Hz/60 Hz)

Input Audio Type 32 kHz, 44.1 kHz, 48 kHz, 16-bit Linear PCM

### ❑ MHL interface section

Supported Version

MHL2

Input Resolution VGA (640 × 480p@59.94 Hz/60 Hz), 480p (720 × 480p @59.94 Hz/60 Hz)

Input Audio Type 32 kHz, 44.1 kHz, 48 kHz, 16-bit Linear PCM

Maximum Power Supply Current

DC 5 V  $\Rightarrow$  900 mA

### ❑ Bluetooth section

Technology Bluetooth 3.0

Frequency 2.4 GHz to 2.4835 GHz

Output Power +4 dBm (MAX), 0 dBm (AVE), Power Class 2

Maximum Communication Range

Line of sight approx. 10 m (32.8 ft)

Audio Codec SBC/MP3/AAC

Profile HFP (Hands Free Profile) 1.6  
A2DP (Advanced Audio Distribution Profile) 1.2  
AVRCP (Audio/Video Remote Control Profile) 1.4  
GAP (Generic Access Profile)  
PBAP (Phone Book Access Profile) 1.0  
SDP (Service Discovery Profile)  
SPP (Serial Port Profile) 1.1  
HID (Human Interface Device Profile)

### ❑ FM tuner section

Frequency Range (50 kHz)

87.5 MHz to 108.0 MHz

Usable Sensitivity (S/N: 30 dB Dev 22.5 kHz)  
6.2 dBf (0.56  $\mu$ V/75  $\Omega$ )

Quieting Sensitivity (S/N: 46 dB Dev 22.5 kHz)  
15.2 dBf (1.58  $\mu$ V/75  $\Omega$ )

Frequency Response ( $\pm$ 3.0 dB)

30 Hz to 15 kHz

Signal to Noise Ratio

68 dB (MONO)

Selectivity ( $\pm$ 400 kHz)

$\geq$  80 dB

Stereo Separation 40 dB (1 kHz)

### ❑ LW tuner section

Frequency Range (9 kHz)

153 kHz – 279 kHz

Usable Sensitivity 45  $\mu$ V

### ❑ MW tuner section

Frequency Range (9 kHz)

531 kHz – 1 611 kHz

Usable Sensitivity 28.5  $\mu$ V



## REFERENCES

### Video section

Color System of External Video Input  
NTSC/PAL

External Video Input Level (RCA/mini jack)  
1 V<sub>p-p</sub>/75 Ω

Video Output Level (RCA jack)  
1 V<sub>p-p</sub>/75 Ω

Audio Output Level (mini jack)  
1.2 V/10 kΩ

### Audio section

Maximum Power (Front & Rear)  
50 W × 4

Full Bandwidth Power (Front & Rear)  
(PWR DIN45324, +B=14.4 V)  
30 W × 4

Preout Level 4 V/10 kΩ

Preout Impedance ≤ 600 Ω

Speaker Impedance  
4 Ω to 8 Ω

Equalizer 3 bands

Bass:

Frequency (Hz) 60/80/100/150

Level -10 to +10 (-10 dB to +10 dB)

Q 1.0/1.25/1.5/2.0

Middle:

Frequency (Hz) 0.5 k/1.0 k/1.5 k/2.0 k

Level -10 to +10 (-10 dB to +10 dB)

Q 1.0/2.0

Treble:

Frequency (Hz) 10.0 k/12.5 k/15.0 k/17.5 k

Level -10 to +10 (-10 dB to +10 dB)

Q FIX

### General

Operating Voltage 14.4 V (10.5 V to 16 V allowable)

Maximum Current Consumption  
10 A

Installation Dimensions (W × H × D)  
182 mm × 112 mm × 157 mm

Operational Temperature Range  
-10°C to +60°C

Weight 2.0 kg

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### DIVX

- This DivX Certified® device has passed rigorous testing to ensure it plays DivX® video. To play purchased DivX movies, first register your device at [vod.divx.com](http://vod.divx.com). Find your registration code in the DivX VOD section of your device setup menu. (Page 47)
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**Declaration of Conformity with regard to the EMC Directive**  
**Declaration of Conformity with regard to the R&TTE Directive 1999/5/EC**  
**Declaration of Conformity with regard to the RoHS Directive 2011/65/EU**

**Manufacturer:**

JVC KENWOOD Corporation  
3-12 Moriya-cho, Kanagawa-ku, Yokohama-shi, Kanagawa, 221-0022, Japan

**EU Representative:**

JVC Technical Services Europe GmbH  
Konrad-Adenauer-Allee 1-11, D-61118 Bad Vilbel, Germany

**English**

Hereby, JVC KENWOOD declares that this unit "KW-V620BT" is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

**Français**

Par la présente JVC KENWOOD déclare que l'appareil "KW-V620BT" est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/EC.

Par la présente, JVC KENWOOD déclare que ce "KW-V620BT" est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/EC qui lui sont applicables.

**Deutsch**

Hiermit erklärt JVC KENWOOD, dass sich dieser "KW-V620BT" in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EC befindet. (BMW)

Hiermit erklärt JVC KENWOOD die Übereinstimmung des Gerätes "KW-V620BT" mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EC. (Wien)

**Nederlands**

Hierbij verklaart JVC KENWOOD dat het toestel "KW-V620BT" in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EC.

Bij deze verklaart JVC KENWOOD dat deze "KW-V620BT" voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

**Italiano**

Con la presente JVC KENWOOD dichiara che questo "KW-V620BT" è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/EC.

**Español**

Por medio de la presente JVC KENWOOD declara que el "KW-V620BT" cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/EC.

**Português**

JVC KENWOOD declara que este "KW-V620BT" está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/EC.

**Polska**

JVC KENWOOD niniejszym oświadcza, że "KW-V620BT" spełnia zasadnicze wymogi oraz inne istotne postanowienia dyrektywy 1999/5/EC.

**Český**

JVC KENWOOD tímto prohlašuje, že tento "KW-V620BT" je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/EC.

**Magyar**

Alulírott, JVC KENWOOD, kijelenti, hogy a jelen "KW-V620BT" megfelel az 1999/5/EC irányelvben meghatározott alapvető követelményeknek és egyéb vonatkozó előírásoknak.

**Svenska**

Härmed intygar JVC KENWOOD att denna "KW-V620BT" står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EC.

**Suomi**

JVC KENWOOD vakuuttaa täten että "KW-V620BT" tyypinen laite on direktiivin 1999/5/EC oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

**Slovensko**

S tem JVC KENWOOD izjavlja, da je ta "KW-V620BT" v skladu z osnovnimi zahtevami in ostalimi ustreznimi predpisi Direktive 1999/5/EC.

**Slovensky**

Spoločnosť JVC KENWOOD týmto vyhlasuje, že "KW-V620BT" spĺňa základné požiadavky a ďalšie príslušné ustanovenia Direktívy 1999/5/EC.

**Dansk**

Undertegnede JVC KENWOOD erklærer herved, at følgende udstyr "KW-V620BT" overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EC.

**Ελληνικά**

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ JVC KENWOOD ΔΗΛΩΝΕΙ ΟΤΙ "KW-V620BT" ΣΥΜΜΟΡΦΟΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΗΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EC.

**Eesti**

Sellega kinnitab JVC KENWOOD, et see "KW-V620BT" vastab direktiivi 1999/5/EC põhilistele nõudmistele ja muudele asjakohastele määrustele.

**Latviešu**

Ar šo, JVC KENWOOD, apstiprina, ka "KW-V620BT" atbilst Direktīvas 1999/5/EC galvenajām prasībām un citām tās nosacījumiem.

**Lietuviški**

Šiuo, JVC KENWOOD, pareiškia, kad šis "KW-V620BT" atitinka pagrindinius Direktyvos 1999/5/EC reikalavimus ir kitas svarbias nuostatas.

**Malti**

Hawnhekk, JVC KENWOOD, jiddikjara li dan "KW-V620BT" jikkonforma mal-ftigijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Direttiva 1999/5/EC.

**Українська**

Компанія JVC KENWOOD заявляє, що цей виріб "KW-V620BT" відповідає ключовим вимогам та іншим пов'язаним положенням Директиви 1999/5/EC.

**Türkçe**

Bu vesileyle JVC KENWOOD, "KW-V620BT" ünitesinin, 1999/5/EC Direktifinin başlıca gereksinimleri ve diğer ilgili hükümleri ile uyumlu olduğunu beyan eder.

**Hrvatski**

Ovime JVC KENWOOD izjavljuje da je ova jedinica "KW-V620BT" je u skladu s osnovnim zahtjevima i drugim relevantnim odredbama Direktive 1999/5/EC.

**JVC**

# Spotify

With Spotify, your music is everywhere. Working out, partying or relaxing, the right music is always at your fingertips. There are millions of songs on Spotify—from old favorites to the latest hits. Just choose the music you love, or let Spotify surprise you.

You can stream Spotify from connected iPod touch/iPhone or Android devices.

- Install the latest version of the Spotify application on your iPod touch/iPhone/Android and create an account.

## Preparation

- 1 Connect the device.
  - **For Android:** Pair the Android device through Bluetooth.
  - **For iPod touch/iPhone:** Connect iPod touch/iPhone.
- 2 Select the device to use and connection method on the <APP Settings> screen.
- 3 Select “**Spotify**” as the source. The Spotify application is started.

## Playback operations

You can operate Spotify using the remote controller. Only playing, pausing, and skipping are available.

### ▣ Indications and buttons on the source control screen



### Playback information

- 1 Track information
  - Touching the text scrolls if not all of the text is shown.
- 2 Playing time
- 3 Playback status
- 4 Picture data

### Operation buttons

- [>] Displays the other operation button window.
    - To hide the window, press [←].
  - [Q] Displays the list selection screen.
  - [FNC ▲] Displays the pop-up short-cut menu.
    - To close the menu, press [▼].
  - [⏮] [⏭] Selects a track.
  - [▶]\* Starts playback.
  - [⏸]\* Pauses playback.
  - [↺] Activates/deactivates the repeat playback mode.
  - [↻] Activates/deactivates the shuffle playback mode.
  - [+] Saves the current track/artist to <Your Music>.
  - [((+)] Creates new station.
  - [👍] Thumbs down to the current track and skips to the next track.
  - [👍] Registers the current track as a favorite.
- To display all available operation buttons, press [>] to display the other operation button window.

\* During playback, [⏸] is displayed, and when playback is paused, [▶] is displayed.

# Spotify

## ❑ Creating your station (Start Radio)

1



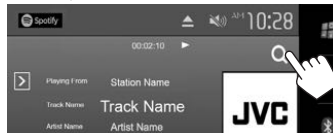
2 Enter a track/artist/playlist, then select the desired track.

The playback of your station starts with the selected track.

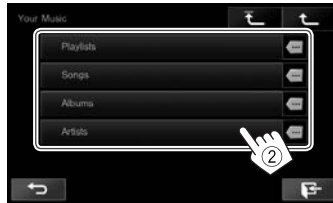
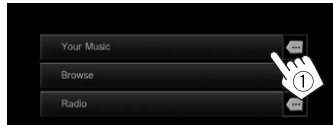
- You can personalize your station using thumb up ([👍]) or thumb down ([👎]).

## ❑ Selecting a track

1 Display the list selection screen.



2 Select the list type (<Your Music>/<Browse>/<Radio>) (①), then select a desired item (②).



- Press [] to return to the top layer.
- Press [] to return to the upper layer.

## Requirements for Spotify

### iPhone or iPod touch

- Install the latest version of the Spotify application on your iPhone or iPod touch. (Search for “Spotify” in the Apple iTunes App Store to find and install the most recent version.)

- Connect iPod touch/iPhone to this unit with a cable or via Bluetooth.
  - When connecting with a cable: Use KS-U59/ KS-U62 (optional accessory) or USB 2.0 cable (accessory of the iPod/iPhone).
  - When connecting via Bluetooth, the following profiles must be supported.
    - SPP (Serial Port Profile)
    - A2DP (Advanced Audio Distribution Profile)

### Android™

- Visit Google Play™ and search for “Spotify” to install.
- Bluetooth must be built in and the following profiles must be supported.
  - SPP (Serial Port Profile)
  - A2DP (Advanced Audio Distribution Profile)

### NOTE

- Ensure you are logged in to your smartphone application. If you do not have a Spotify account, you can create one for free from your smartphone or at [www.spotify.com](http://www.spotify.com).
- Because Spotify is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some functions of Spotify cannot be operated from this unit.
- For issues using the application, contact Spotify at [www.spotify.com](http://www.spotify.com).
- Establish an Internet connection using LTE, 3G, EDGE, or WiFi.
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