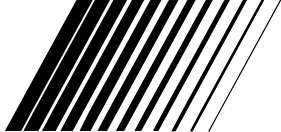


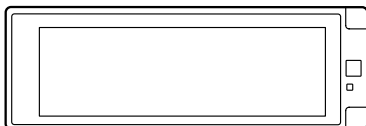
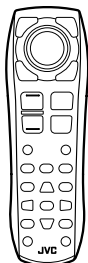
JVC



DVD/CD RECEIVER

EXAD

KD-AVX77/KD-AVX55



Radio Data System



Only for KD-AVX77

For canceling the display demonstration, see page 11.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

LVT1938-006A
[A]

C E0984

English:

Hereby, JVC, declares that this KD-AVX77 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Deutsch:

Hiermit erklärt JVC, dass sich das Gerät KD-AVX77 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet. (BMW i)

Hiermit erklärt JVC die Übereinstimmung des Gerätes KD-AVX77 mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG befindet. (Wien)

Français:

Par la présente JVC déclare que l'appareil KD-AVX77 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Nederlands:

Hierbij verklaart JVC dat het toestel KD-AVX77 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

Dansk:

Undertegnede JVC erklærer herved, at følgende udstyr KD-AVX77 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Español:

Por medio de la presente JVC declara que el KD-AVX77 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Ελληνική:

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ JVC ΔΗΛΩΝΕΙ ΟΤΙ ΚΔ-AVX77 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Italiano:

Con la presente JVC dichiara che questo KD-AVX77 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Malti:

Hawnhekk, JVC, jiddikjara li dan KD-AVX77 jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

Português:

JVC declara que este KD-AVX77 está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Suomi:

JVC vakuuttaa täten että KD-AVX77 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Svenska:

Härmed intygar JVC att denna KD-AVX77 står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Íslenska:

Hér með lýsir JVC yfir því að KD-AVX77 er í samræmi við grunnkröfur og aðrar kröfur, sem gerðar eru í tilskipun 1999/5/EC.

Norsk:

JVC erklærer herved at utstyret KD-AVX77 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Cesky:

JVC tímto prohlašuje, že tento KD-AVX77 je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.

Eesti:

Käesolevaga kinnitab JVC seadme KD-AVX77 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Latviski:

Ar šo JVC deklarē, ka KD-AVX77 atbilst Direktīvas 1999/5/EK būtiskājam prasībām un citiem ar to saistītajiem noteikumiem.

Lietuviu:

Šiuo JVC deklaruoja, kad šis KD-AVX77 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Magyar:

Alulírott, JVC nyilatkozom, hogy a KD-AVX77 megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Polski:

Niniejszym JVC oświadcza, że KD-AVX77 jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.

Slovensko:

JVC izjavlja, da je ta KD-AVX77 v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.

Slovensky:

JVC týmto vyhlasuje, že KD-AVX77 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Thank you for purchasing a JVC product.

Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT

2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 レーザー光線が 出ます。 光学機器で直視 しないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG) LV44603-003A
--	--	---	---	---	---

3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

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 driver must not put on the headphones while driving.
- Excessive sound pressure from earphones or headphones can cause hearing loss when you listen through earphones or headphones using Dual Zone.

Cautions on the monitor:

- The monitor built in this unit has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not malfunction.
- Do not expose the monitor to direct sunlight.
- Do not operate the touch panel using a ball-point pen or similar tool with the 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.
- Afterimage may occur if displaying a certain image on the monitor for a long time. This is not malfunction. Turn off the unit or display another image.



[European Union only]

How to read this manual:

- < > indicates the variable screens/menus/operations/settings that appear on the touch panel.
- [] indicates the buttons on the touch panel.
- (Q page number) indicates the reference page number of the related topics/operations/settings.
- **Operation index:** To locate easily the desired operations/functions. (Q 73)
- **Indication language:** English indications are used for the purpose of explanation. You can select the indication language in <Language>. (Q 15)
- **Illustrations:** Illustrations of KD-AVX77 are mainly used for explanation.

How to reset your unit



- Your preset adjustments will also be erased (except the registered Bluetooth devices for KD-AVX77, Q 32)

To forcibly eject a disc, Q 36.

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.

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Playable disc type

Disc type	Recording format, file type, etc	Playable
DVD <ul style="list-style-type: none"> DTS sound cannot be reproduced or emitted from this unit. 	DVD-Video *1 Region Code: 4 Ex.: 	✓OK
	DVD-Audio/DVD-ROM	✗NO
DVD Recordable/Rewritable (DVD-R/-RW *2, +R/+RW *3) <ul style="list-style-type: none"> DVD Video: UDF bridge DVD-VR DivX/MPEG1/MPEG2/JPEG/MP3/WMA/WAV/AAC: ISO 9660 level 1, level 2, Romeo, Joliet 	DVD-Video	✓OK
	DVD-VR*4	
	DivX/MPEG1/MPEG2	
	JPEG	
	MP3/WMA/WAV/AAC*5	
	MPEG4/DVD+VR/DVD-RAM	✗NO
DualDisc	DVD side	✓OK
	Non-DVD side	✗NO
CD/VCD	Audio CD/CD Text (CD-DA)	✓OK
	VCD (Video CD)	
	DTS-CD/SVCD (Super Video CD)/CD-ROM/CD-I (CD-I Ready)	✗NO
CD Recordable/Rewritable (CD-R/-RW) <ul style="list-style-type: none"> ISO 9660 level 1, level 2, Romeo, Joliet 	CD-DA	✓OK
	VCD (Video CD)	
	DivX/MPEG1/MPEG2	
	JPEG	
	MP3/WMA/WAV/AAC*5	
	MPEG4	✗NO

*1 If you insert a DVD Video disc of an incorrect Region Code, "Region code error" appears on the screen.

*2 DVD-R recorded in multi-border format is also playable (except for dual layer discs). DVD-RW dual layer discs are not playable.

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

*4 This unit cannot play back contents protected with CPRM (Content Protection for Recordable Media).

*5 This unit can play back AAC files encoded using iTunes.

Caution for DualDisc playback

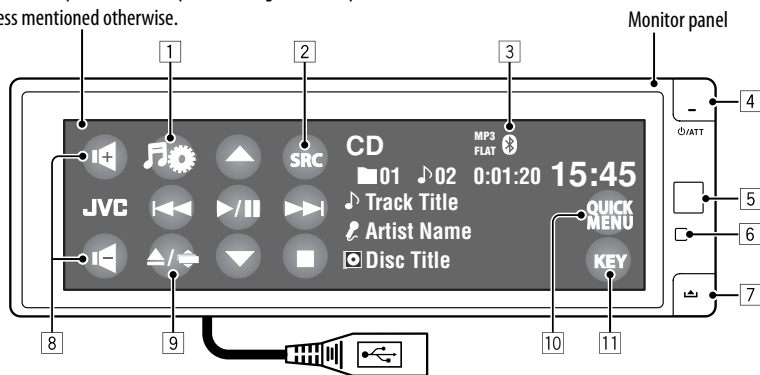
The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

Basic operations

Using the monitor panel/touch panel

Touch panel (see the following pages).

Most of the operations are explained using the touch panel unless mentioned otherwise.



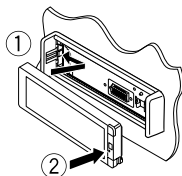
USB cable from the rear of the unit, (🔍 47, 51)

- 1 Displays AV Menu. (🔍 12)
- 2 Displays Source Menu.*1 (🔍 7)
- 3 Bluetooth indicator (KD-AVX77 only)
- 4
 - Turns on the power.
 - Attenuates the sound (if the power is on).
 - Turns off the power. (Hold)
 - Switches the conversation media while talking with a Bluetooth cellular phone. (KD-AVX77 only, 🔍 49)
- 5 Remote sensor
- 6 Resets the unit. (🔍 3)
- 7 Detaches the monitor panel.
- 8
 - Adjusts the volume.
 - Adjusts the volume of the incoming calls.*2 (KD-AVX77 only)
- 9
 - Displays Open/Tilt screen. (🔍 6)
 - Ejects the disc and displays Open/Tilt screen. (Hold)
- 10 Displays Quick Menu. (🔍 7)
- 11 Changes the buttons shown on the touch panel. (🔍 6)

*1 Available sources depend on the external components you have connected, media you have attached, and the < < > (input) settings you have made. (🔍 19)

*2 This adjustment does not affect the volume level of the other sources.

Attaching the monitor panel

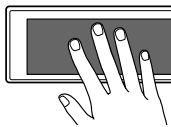


While a picture is played back on the screen, the buttons and information on the touch panel are turned off about 10 seconds after the last operation.

- You can select the way the buttons and information are turned off in **<Monitor/Sensor>**. (👁️ 20)

The buttons and information turn on again:

- When your hand moves closer to the touch panel (depending on the **<Monitor/Sensor>** setting, 👁️ 20).
- When you press **🔊/ATT** button on the monitor panel.
- For KD-AVX77: When a call/text message comes in for Bluetooth cellular phone.
- The buttons and information may turn on in other cases than the above.



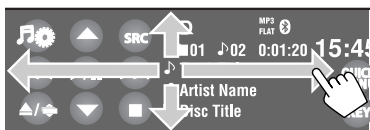
Caution on volume setting:

Digital devices (CD/USB) 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.

You can also adjust the volume by moving your finger as illustrated on any part of the touch panel.



When you drag your finger on the touch panel, it functions in the same way as touching [▲ / ▼ / ◀◀ / ▶▶].

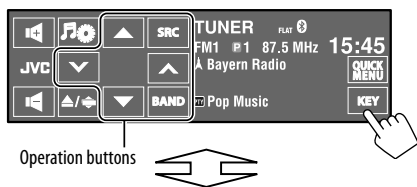


- Touch the panel firmly when moving or dragging your finger.

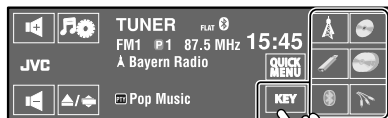
Buttons on the touch panel

Each time you touch [KEY], the buttons shown on the touch panel are changed.

Ex.: When "TUNER" is selected as the source



Operation buttons



Source buttons

- Available buttons vary among the sources.
- The background picture can be changed on the **<Wall Paper>** setting. (👁️ 13)

Open/Tilt screen

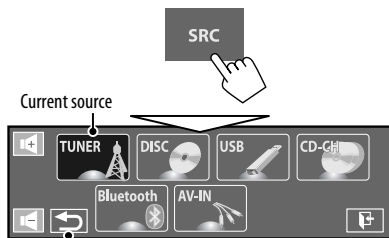


[Open]/ [Eject]	Opens the monitor panel./ Ejects the disc.
[Close]	Closes the monitor panel.
[Tilt]	Tilts the monitor panel.
[🔊/ATT]	Closes this screen.

- Shaded items cannot be used.

Source Menu

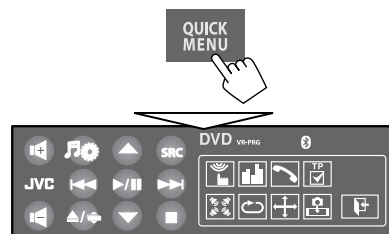
You can select a source on Source Menu.



Returns to the previous screen.

Quick Menu

You can easily access some frequently used functions by using Quick Menu.



- Available icons vary among the sources.

	Displays <Monitor/Sensor> menu. (Q 20)
	Changes the sound mode. (Q 23)
	Turns on or off the surround. (Q 21)
	Turns on or off Track/Chapter Repeat. (Q 26)
	Changes <Aspect> setting. (Q 15)
	Activates/deactivates PTY Standby Reception. (Q 25)

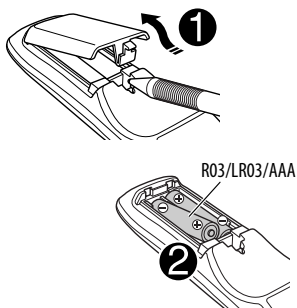
	Displays <PTY Search> menu. (Q 34)
	Activates/deactivates Announcement Standby Reception. (Q 25)
	Activates/deactivates TA Standby Reception. (Q 18)
	Changes <IF Band Width> setting. (Q 18)
	Changes the control of iPod/iPhone device for "iPod USB." (Q 16)

KD-AVX77 only

	Enables to capture the current playback picture. (Q 13)
	Displays <Dial Menu>. (Q 29)

Using the remote controller (RM-RK252)

Installing the batteries



Insert the batteries into the remote controller by matching the polarity (+ and -) correctly.

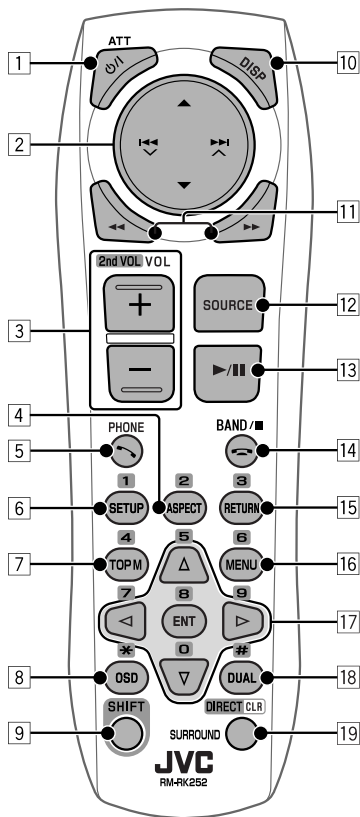
Caution:

- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- Battery shall not be exposed to excessive heat such as sunshine, fire, or the like.

If the effectiveness of the remote controller decreases, replace the batteries.

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).



The unit is equipped with the steering wheel remote control function.

- See the Installation/Connection Manual (separate volume) for connection.

- 1 **⏻/ATT button***1
- Turns on the power.
 - Attenuates the sound when the power is on.
 - Turns off the power. (Hold)
- 2 **▲/▼ buttons**
- **TUNER**: Selects the preset stations.
 - **DAB**: Selects the services.
 - **DISC/USB/CD-CH**:
 - DVD-Video: Selects the title.
 - DVD-VR: Selects the program/playlist.
 - DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC: Selects the folders if included.
 - **iPod USB**: Selects previous/next item.*2
 - **iPod** (connected with KS-PD100):
 - **▲**: Enters the main menu (then **▲/▼/◀◀◀/▶▶▶▶▶** work as menu selecting buttons).
 - ▲: Returns to the previous menu.
 - ▼: Confirms the selection.
 - **▼**: Pauses or resumes playback.
 - **Bluetooth**: Selects group/folder.
- ◀◀◀◀/▶▶▶▶▶ buttons**
- **TUNER/DAB**:
 - Searches for stations/ensembles automatically.
 - Searches for stations/ensembles manually. (Hold)
 - **DISC/USB/iPod USB/CD-CH**:
 - Reverse skip/forward skip.
 - Reverse search/forward search. (Hold)
 - **iPod** (connected with KS-PD100):
 - Reverse skip/forward skip.
 - Reverse search/forward search. (Hold)
- In menu selecting mode:
- Selects an item. (Then, press **▼** to confirm the selection.)
 - Skips 10 items at a time. (Hold)
- **Bluetooth***3:
 - Reverse skip/forward skip.
 - Reverse search/forward search. (Hold)

- 3 **VOL (volume) + / – buttons***1
- Adjusts the volume level.
 - Adjusts the volume of the incoming calls.*3
- 2nd VOL (volume) + / – buttons**
- Adjusts the volume level through the 2nd AUDIO OUT plug when pressed with SHIFT button.
- 4 **ASPECT button***4
- Changes the aspect ratio of the playback pictures.
- 5 **☎ PHONE button***1 *3
- Displays the last opened menu in **<Dial Menu>**.
 - Displays **<Redial>**. (Hold)
 - Answers incoming calls.
- 6 **SETUP button***4
- Functions as a number button only.
- 7 **TOP M (menu) button***4
- DVD-Video: Shows the disc menu.
 - DVD-VR: Shows the Original Program screen.
 - VCD: Resumes PBC playback.
- 8 **OSD (on-screen display) button**
- Shows the on-screen bar.
 - Does not function as “✳”.

*1 When Dual Zone is activated, these buttons cannot be used.

*2 May not function depending on how you select the current track/video.

*3 KD-AVX77 only


*4 Functions as number buttons when pressed with SHIFT button.

– **DISC/USB**: Enters chapter/title/program/playlist/ folder/track number after entering search mode by pressing SHIFT and DIRECT. (📺 40)

– **TUNER/DAB**: (Number 1 to 6) : Enters preset station/service number.

Continued on the next page

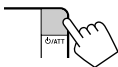
- 9 SHIFT button**
- Functions with other buttons.
- 10 DISP (display) button*1**
- Closes the menu screen if currently opened.
 - **DISC/USB/iPod USB:** Displays the buttons and information on the touch panel when a picture/jacket picture/artwork is shown.
 - **DAB:** Displays DLS (Dynamic Label Segment).
- 11 ◀▶ buttons**
- **DISC/USB:**
 - Reverse search/forward search. (not available for JPEG)
 - DVD-Video: Slow motion playback (during pause).
 - DVD-VR/VCD: Forward slow motion playback (during pause).
 - **iPod USB:** Reverse search/forward search.
- 12 SOURCE button*1**
- Selects the source.
- 13 ▶ (play) / ⏸ (pause) button**
- **DISC/USB/iPod USB:** Starts/pauses playback.
 - Answers incoming calls.*3
 - **Bluetooth:** Starts playback.*3
- 14 📞 (end call) button*3**
- Ends the call.
- BAND button**
- **TUNER/DAB:** Selects the bands.
- (stop) button**
- **DISC/USB:** Stops playback.
 - **Bluetooth:** Pauses playback.*3
- 15 RETURN button*4**
- VCD: Returns to the PBC menu.
 - DVD-Video/DVD-VR/DivX/MPEG1/MPEG2/JPEG/VCD: Cancels the pop-up menu on the on-screen bar.
- 16 MENU button*4**
- DVD-Video: Shows the disc menu.
 - DVD-VR: Shows the Playlist screen.
 - VCD: Resumes PBC playback.
- 17 △/▽ buttons*4**
- DVD-Video: Makes selection/settings.
 - **CD-CH:** Changes discs in the magazine.
- ◀/▶ buttons*4**
- DVD-Video: Makes selection/settings.
 - DivX/MPEG1/MPEG2: Skips back or forward by about 5 minutes.
- ENT (enter) button*4**
- Confirms selection.
- 18 DUAL button**
- Activates or deactivates Dual Zone.
 - Does not function as “#.”
- 19 DIRECT button**
- **DISC/USB:** Enters direct search mode for chapter/title/program/playlist/folder/track when pressed with SHIFT button. (🔍 40)
- CLR (clear) button**
- **DISC/USB:** Erases the misentry when pressed with SHIFT button.
- SURROUND button*1**
- **DISC/USB:** Changes the surround mode.

*1, *3, *4  9

Preparation

■ Canceling the display demonstration and setting the clock

1 Turn on the power.



2 Display AV Menu.



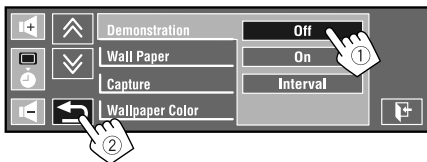
3 Select <AV Setup>.



4 Cancel the demonstration.

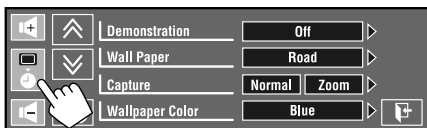
Touch <Interval> to show the setting items.

Select <Off>, then touch <↩>.

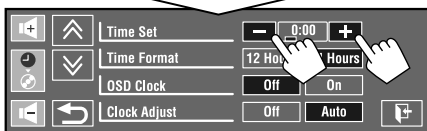


5 Set the clock.

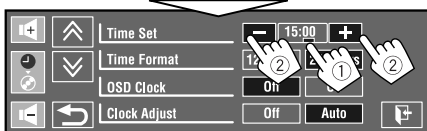
Select <🕒> (clock).



Adjust the hour.



Change the item to set (1), then adjust the minute (2).



6 Finish the procedure.



AV Menu understanding

You can use the AV Menu for most of the operations and settings. The available menu items shown on the touch panel depends on the selected source.

The following steps are one of the fundamental procedures.

- You can perform the operations/make the settings by following these steps unless mentioned otherwise.

1 Turn on the power.



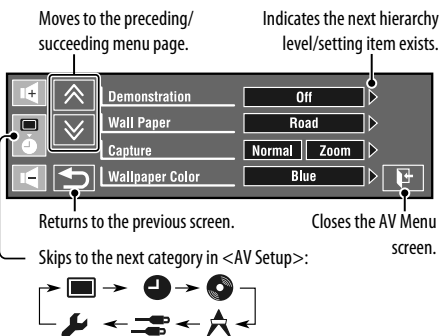
2 Display AV Menu.

- **AV Setup:** 13 – 20
 - **Disc Surround:** 21, 22
 - **Equalizer:** 23
 - **Sound:** 24
 - **Mode:** 25, 26
 - **List:** 27, 28
 - **Dual Zone:** 43 – 46
- Only for KD-AVX77
- **Bluetooth:** 29 – 32







3 Touch the desired icon/item to perform the desired operations/settings.

- Some of the settings do not open the sub-setting screen, but just selecting an option will change the setting.
- Non-available items will be shaded.





Menu item	Selectable setting/item
Demonstration	<ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates the demonstration on the screen. To stop it temporarily, touch the screen. ◆ Interval : Activates the demonstration at 20 second intervals.
Wall Paper	<p>You can select the background picture of the screen.</p> <p>For KD-AVX77:</p> <ul style="list-style-type: none"> ◆ Ring, Plain, Road, Night, User Capture 1, User Capture 2, User Capture 3, User Capture 4 <p>For KD-AVX55:</p> <ul style="list-style-type: none"> ◆ Ring, Plain
<div style="writing-mode: vertical-rl; transform: rotate(180deg);">  Display </div>	<p>You can capture an image shown on the screen and use it as the background picture.</p> <ul style="list-style-type: none"> ◆ Normal : Captures an image without enlargement. ◆ Zoom : Captures an image enlarged to the width of the screen. <p>While a picture is played back or paused...</p> <ol style="list-style-type: none"> 1 Select <Normal> or <Zoom>. <ul style="list-style-type: none"> • When you select <Zoom>, tap the screen repeatedly until your desired portion is displayed. 2 Capture the image. <div style="text-align: center; margin: 10px 0;">  </div> <ul style="list-style-type: none"> []: Captures the image. []: Cancels. <ol style="list-style-type: none"> 3 Select one of the numbers (<1> – <4>) to store the image for <User Capture 1> – <User Capture 4> in <Wall Paper> above. “Please Wait...” appears. <p>The captured image is stored and selected as the background picture.</p>



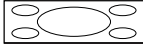
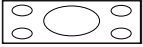

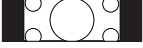
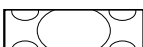

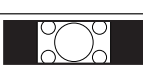
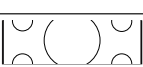
Menu item	Selectable setting/item
Wallpaper Color	You can select the color of the background picture. ◆ Blue, Black, Orange, Red, Green, Yellow
Text Color	You can select the text color. ◆ White, Black, Red, Green, Blue, Yellow, Orange, Purple
Scroll	◆ Off : Cancels. ◆ Once : Scrolls the displayed information once. ◆ Auto : Repeats scrolling (at 5-second intervals).
Tag Display	◆ Off : Cancels. ◆ On : Shows the Tag data while playing MP3/WMA/WAV/AAC tracks.
Dimmer	◆ Off : Cancels. ◆ On : Activates dimmer. ◆ Auto : Dims the monitor when you turn on the headlights. *1 ◆ Dimmer Time Set : Activates the Dimmer Time setting (see below).
Dimmer Time Set	Sets the Dimmer On(☺)/Off(☹) times.
Dimmer Level	You can select the brightness for dimmer. ◆ 01 (bright), 02 (middle), 03 (dark)
Bright	You can adjust the brightness of the screen. ◆ -15 to +15 ; Initial 00
Picture Adjust *2	You can adjust the following to make the screen clear and legible for watching the playback picture. The setting will be stored—one for “ DISC/USB ” and the other for “ iPod USB/AV-IN .” Touch [▲] or [▼] to select an item, then touch [+] or [-] to adjust. (-15 to +15 ; Initial 00) ◆ Bright : Adjust if the picture is too bright or too dark. ◆ Contrast : Adjust the contrast. ◆ Color : Adjust the color of the picture—lighter or darker. ◆ Tint *3 : Adjust the tint if the human skin color is unnatural.

Display

*1 Connection to the car light control switch is required. (See the Installation/Connection Manual.)

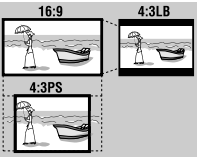
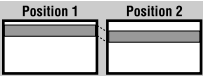
*2 Adjustable only when the source is “**DISC/USB/iPod USB**” (the media must contain pictures or movies) or “**AV-IN**.”

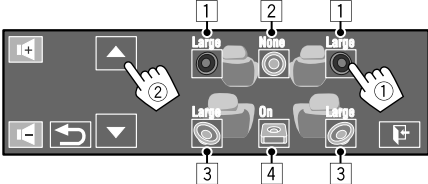

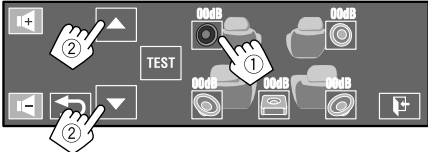

*3 When the source is “**AV-IN**” and the incoming signal is PAL, you cannot adjust this setting.

Menu item		Selectable setting/item		
Display	Aspect *4	You can change the aspect ratio of the picture.		
		Aspect ratio of the incoming signal		
		4:3	16:9	
	◆ 16:9 Full	Suitable for 16:9 picture.		
	◆ Ultra Full	Stretches the picture displayed in <16:9 Full> to the width of the screen.		
	◆ Cinema Scope	Suitable for Cinemascope-size picture.		
	◆ Ultra Cinema Sc.	Stretches the picture displayed in <Cinema Scope> to the width of the screen.		
◆ Zoom	Suitable for 4:3 Letterbox picture.			
◆ Auto	Aspect ratio is automatically selected to match the incoming signals.			
Clock	Language *5	Select the indication language shown on the screen. ◆ English, Español, Français, Deutsch, Italiano, Nederlands, Svenska, Dansk, Русский, Português • The characters you can enter for assigning the titles also change according to the language selected. (🗨 63)		
	Key Position	Select the position of the buttons on the touch panel. ◆ Left, Right		
	Dual Display	◆ Off : Cancels. ◆ On : Activates Dual Display. (🗨 43, 46, 56)		
	Time Set	Initial 0:00 (🗨 11)		
Clock	Time Format	Select either 12-hour system or 24-hour system. ◆ 12 Hours, 24 Hours		
	OSD Clock	◆ Off : Cancels. ◆ On : The clock time is displayed on the playback picture.		
	Clock Adjust	Select <Auto> to adjust the clock automatically using the clock time (CT) data from an FM Radio Data System station. ◆ Off, Auto		

*4 Not adjustable when no picture is shown.

*5 Turn off the power and on again so that your setting takes effect.

Menu item	Selectable setting/item
Menu Language *6, *7	Select the initial disc menu language; Initial English (🔍 64)
Audio Language *6, *7	Select the initial audio language; Initial English (🔍 64)
Subtitle *6, *7	Select the initial subtitle language or erase the subtitle <Off>; Initial English (🔍 64)
Monitor Type *6, *7 	Select the monitor type to watch a wide screen picture on the external monitor. ♦ 16:9 : Select when the aspect ratio of the external monitor is 16:9. ♦ 4:3 Letterbox , 4:3 Pan Scan : Select when the aspect ratio of the external monitor is 4:3.
OSD Position *6, *7 	Select the position of the on-screen bar. (🔍 42) • The on-screen bar is not displayed fully under some <Aspect> settings. (🔍 15) ♦ 1 : Higher position. ♦ 2 : Lower position.
Disc File Type *6, *7	Select the playback file type when a disc/USB contains different types of files. You can store this setting separately for each source— "DISC/USB." ♦ Audio : Plays back audio files. ♦ Still Picture : Plays back JPEG files. ♦ Video : Plays back DivX/MPEG1/MPEG2 files. ♦ Audio&Video : Plays back audio files and DivX/MPEG1/MPEG2 files.
DivX Regist. (Registration) *6	This unit has its own Registration Code. Once you have played back a file with which the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.
Artwork	For "DISC/USB" : "Jacket picture" is shown on the screen.*7 (🔍 37) For "iPod USB" : The Artwork is shown on the screen under "HEAD MODE." *8 (🔍 51) ♦ Off : Cancels. ♦ On : Activates "Jacket picture" or Artwork display.
iPod Control *9	Changes the controlling unit for "iPod USB." (🔍 51) ♦ Head : Controls the iPod/iPhone through this unit. ♦ iPod : Controls the iPod/iPhone through the iPod/iPhone.

Menu item	Selectable setting/item								
D. (Dynamic) Range Compres. (Compression) *7	You can enjoy a powerful sound at a low volume level while playing Dolby Digital software on a disc. ♦ Auto : Select to apply the effect to multi-channel encoded software. ♦ On : Select to always use this function.								
Speaker Size *6, *7	You can adjust the speaker size setting. <div style="text-align: center; margin: 10px 0;">  <p>The screenshot shows a speaker layout with four numbered callouts: 1 points to the front speakers, 2 to the center speaker, 3 to the rear speakers, and 4 to the subwoofer. The settings are: Front speakers (1) set to 'Large', Center speaker (2) set to 'None', Rear speakers (3) set to 'Large', and Subwoofer (4) set to 'On'.</p> </div> <div style="float: right; margin-top: 10px;"> <table border="0"> <tr><td>1</td><td>Front speakers</td></tr> <tr><td>2</td><td>Center speaker</td></tr> <tr><td>3</td><td>Rear speakers</td></tr> <tr><td>4</td><td>Subwoofer</td></tr> </table> </div> <ul style="list-style-type: none"> ♦ Front speakers: Small, Large ♦ Center speaker: None, Small, Large ♦ Rear speakers: None, Small, Large ♦ Subwoofer: On, Off <ul style="list-style-type: none"> • Speaker size: <Large> for 13 cm diameter or more; <Small> for 13 cm or less. • Front speakers and rear speakers: left and right speakers cannot be adjusted separately. <p>Regardless of the setting above...</p> <ul style="list-style-type: none"> • No sound comes out of the subwoofer while playing Dolby Pro Logic II Movie or Music if the front speaker is set to <Large>. • No sound comes out of the center speaker when surround is deactivated. <p> 21)</p>	1	Front speakers	2	Center speaker	3	Rear speakers	4	Subwoofer
1	Front speakers								
2	Center speaker								
3	Rear speakers								
4	Subwoofer								
Speaker Level *6	You can adjust the output level of the activated speakers (above), monitoring the test tone. <div style="text-align: center; margin: 10px 0;">  <p>The screenshot shows the same speaker layout as above, but with volume sliders for each speaker. The center speaker (2) is selected, and the volume is set to 00dB. A 'TEST' button is visible. Hand icons with numbers 1 and 2 indicate touch controls for the sliders and the TEST button.</p> </div> <p>Adjust the output level of each speaker in the range of -10dB to +10dB; Initial 00dB</p> <ul style="list-style-type: none"> • Touch [TEST] to turn on the test tone. To stop, touch [CANCEL]. • Subwoofer level setting takes effect only when surround is activated.  21) 								

Disc


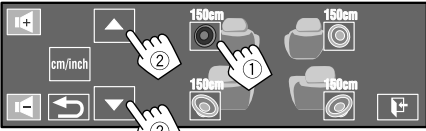

*6 Selectable only for "DISC/USB."

*7 Playback stops when you change the setting.

*8 It takes 5 seconds or more to display Artwork and no operations are available while loading it.

*9 Selectable only for "iPod USB."

Continued on the next page

Menu item	Selectable setting/item
Speaker Distance *6 	<p>You can adjust the output timing of the activated speakers (above).</p>  <p>Adjust the speaker distance from the listening position in the range of 15 cm/6 inch to 600 cm/240 inch in 15 cm/6 inch step; Initial 120 cm/48 inch (for center speaker), 150 cm/60 inch (for front and rear speakers).</p> <ul style="list-style-type: none"> • Touch [cm/inch] to change the measuring unit—cm and inch.
	<p>IF Band Width</p> <ul style="list-style-type: none"> ◆ Auto : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) ◆ Wide : Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will remain. <p>AF Regional</p> <p>You can change the Network-Tracking Reception setting. (📺 35) When the received signals from the current station become weak...</p> <ul style="list-style-type: none"> ◆ Off : Cancels—not selectable when <DAB AF> is set to <On>. ◆ AF Regional : Switches to another station broadcasting the same programme. The REG indicator lights up. ◆ AF : Switches to another station. The programme may differ from the one currently received (the AF indicator lights up). (📺 35) <p>TA Standby</p> <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates TA Standby Reception. (📺 35) <p>TA Volume</p> <p>You can adjust the preset TA volume level. When the unit switches to Traffic Announcement (TA), the volume changes to the preset TA volume level if the current volume level is lower than the preset level. (📺 35)</p> <ul style="list-style-type: none"> ◆ 00 to 30 or 50*10, Initial 15

*6 📺 17

*10 Depends on the amplifier gain control. (📺 24)

	Menu item	Selectable setting/item
Tuner >	Program Search	You can turn on and off the Programme Search. (🔍 35) <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates the Programme Search.
	DAB AF *11	You can turn on and off the Alternative Frequency Reception. (🔍 55) <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates the Alternative Frequency Reception.
Input 📺	AV Input *12	You can determine the use of LINE IN and VIDEO IN plugs. (🔍 56) <ul style="list-style-type: none"> ◆ Off : Select when no component is connected (“AV-IN” is not displayed on Source Menu). ◆ iPod(Off) : Select when connecting the iPod/iPhone using the USB Audio and Video cable for iPod/iPhone. (🔍 51) ◆ Audio&Video : Select when connecting an AV component such as a VCR. ◆ Audio : Select when connecting an audio component such as a portable audio player. ◆ Camera *13, *14 : Select when connecting a rear view camera. ◆ Navigation : Select when connecting a Navigation System.
	External Input *15	For connecting an external component to the CD changer jack on the rear. <ul style="list-style-type: none"> • For connecting the DAB tuner, this setting is not required. The DAB tuner is automatically detected. ◆ Changer/iPod *16 : CD changer, (🔍 53), iPod, (🔍 52). ◆ External : Any other than the above, (🔍 57).

*11 Selectable only when DAB tuner is connected. (🔍 54)

*12 Not selectable when “**AV-IN**” is selected as the source.

*13 The REVERSE GEAR SIGNAL lead connection is required. See Installation/Connection Manual. The rear view through the camera appears on the screen in <16:9 FULL> aspect ratio (regardless of the aspect ratio setting) when you shift the gear to the reverse (R) position. When you shift the gear to another position other than the reverse (R) position, the rear view screen is cleared.

*14 While the pictures through the camera are shown on the monitor, no message will be displayed.

*15 Not selectable when the component connected to the CD changer jack is selected as the source.

*16 The name of the component detected through the CD changer jack is shown.

Menu item		Selectable setting/item		
Other	Beep	◆ Off	: Cancels.	
		◆ On	: Activates the key-touch tone.	
	Telephone Muting *17	◆ Off	: Cancels.	
		◆ Muting1, Muting2	: Select either one which mutes the sounds while using the cellular phone.	
	Monitor/Sensor	You can turn off the buttons and information shown on the touch panel or turn off the touch panel when no operation is done for about 10 seconds. (👁 6)		
			While a picture is played back on the screen	Others
		Normal/Motion	Buttons and information light up when your hand moves closer to the touch panel.	Buttons and information always light.
		Normal/Touch	Buttons and information light up when you touch the touch panel.	
		WallPaper/Motion	Buttons and information light up when your hand moves closer to the touch panel.	
		WallPaper/Touch	Buttons and information light up when you touch the touch panel.	
	Off/Motion	The touch panel lights up when your hand moves closer to it.		
	Off/Touch	The touch panel lights up when you touch it.		
	Motion Sensitiv. (Sensitivity)	Change the sensitivity of the sensor for <Monitor/Sensor> (above). ◆ Mid, High		
	Initialize	Initialize all settings you have made in AV Menu. Hold [Enter] to initialize the settings, then reset the unit. (👁 3)		

*17 Connection to the cellular phone system is required. See Installation/Connection Manual.



Disc Surround

You can enjoy multi-channel surround playback through the front, center, surround speakers.

MULTI:

For multi-channel encoded sources such as Dolby Digital. (When activated, "MULTI" is shown on the screen.)

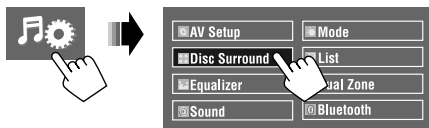
Dolby Pro Logic II (Movie/Music):

For 2 channel sources except for DivX/MPEG1/MPEG2 discs.

- After connecting the center speaker, make sure to activate the center speaker; otherwise, no sound comes out of the center speaker. (🔍 17)
- You cannot activate this function in the following cases:
 - When "iPod USB" is selected as the source.
 - When Dual Zone is in use.

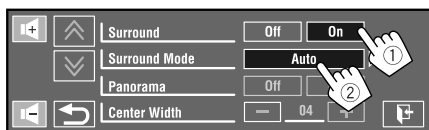
Turning on the surround

1 Select <Disc Surround> on AV Menu.



2 Turn on the surround.

Turn on the surround (①), then touch <Auto> to show the surround modes (②).



3 Select a surround mode.

<Auto>:

- When multi-channel digital signals come in, "MULTI" surround is activated.
- When 2-channel or 2.1-channel signals* come in, 4-channel stereo is activated.

<Through>:

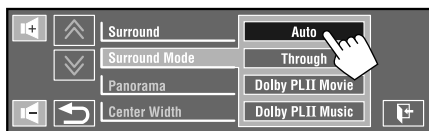
All incoming channel signals are sent to the corresponding speakers.

<Dolby PLII Movie>:

Activates Dolby Pro Logic II Movie.

<Dolby PLII Music>:

Activates Dolby Pro Logic II Music. You can adjust <Panorama> and <Center Width> settings. (🔍 22)



* Except signals of DivX/MPEG1/MPEG2 discs.

Continued on the next page

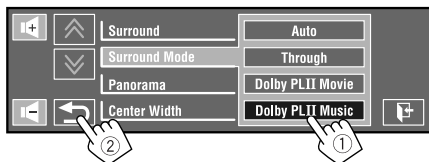
On the remote:



Changing the <Dolby PLII Music> setting

In step 3 on page 21...

1 Select <Dolby PLII Music>.



2 Select desired settings.

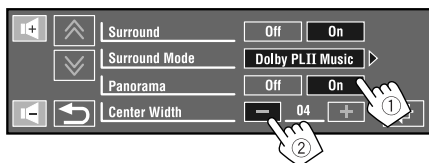
<Panorama>:

Select <On> to add wraparound sound effect.

<Center Width>*:

Adjust the center image so it may be heard only from the center speaker, only from the left/right front speaker as a "phantom" center image, or various combination of these speakers. As the number increases, the "phantom" effect becomes stronger (normally set to <04>).

* Adjustable when the center speaker is activated. (🔍 17)



3 Finish the procedure.



- You cannot change the <Dolby PLII Music> settings using the remote controller.

Equalizer

Select a preset sound mode suitable to the music genre.

◆ **Flat** (Initial), **Hard Rock**, **R&B**, **Pop**, **Jazz**, **Dance**, **Country**, **Reggae**, **Classic**, **User1**, **User2**, **User3**

• (For "DISC/USB") While surround is activated, you can use Equalizer in the following case: the source is CD-DA, VCD, or MP3/WMA/WAV/AAC files and <Auto> is selected for <Surround Mode>. (🔊 21)

Preset equalizing values

Sound mode	60.0 Hz	150.0 Hz	400.0 Hz	1.0 kHz	2.5 kHz	6.3 kHz	15.0 kHz
Flat	00	00	00	00	00	00	00
Hard Rock	+03	+03	+01	00	00	+02	+01
R&B	+03	+02	+02	00	+01	+01	+03
Pop	00	+02	00	00	+01	+01	+02
Jazz	+03	+02	+01	+01	+01	+03	+02

Sound mode	60.0 Hz	150.0 Hz	400.0 Hz	1.0 kHz	2.5 kHz	6.3 kHz	15.0 kHz
Dance	+04	+02	00	-02	-01	+01	+01
Country	+02	+01	00	00	00	+01	+02
Reggae	+03	00	00	+01	+02	+02	+03
Classic	+02	+03	+01	00	00	+02	00
User1/2/3	00	00	00	00	00	00	00

Storing your own adjustments

You can store your adjustments into <User1>, <User2>, and <User3>.

1 Select <Equalizer> on AV Menu.



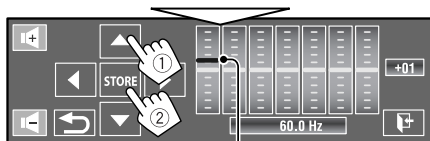
2 Make the setting, then store.



Moves to the other 6 sound modes.

Touch [◀] or [▶] to select a frequency level to adjust.

Touch [▲] or [▼] to adjust.

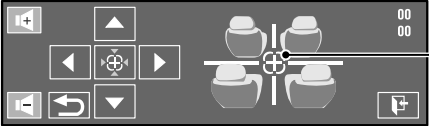


Moving each bar directly also makes adjustments.

Ex.: When storing into <User1>.





Menu item	Selectable setting/item
<p>Fader/Balance</p> <p>Fader: Adjust the front and rear speaker output balance.</p> <p>Balance: Adjust the left and right speaker output balance.</p>	 <p>◆ F06 to R06; Initial <u>00</u> (fader) ◆ L06 to R06; Initial <u>00</u> (balance) [▲/▼]: Adjusts fader. [◀/▶]: Adjusts balance. [⊕/⊗]: Resets the adjustments. • When using a two-speaker system, set the fader to the center (<u>00</u>).</p>
<p>Volume Adjust *1</p>	<p>Adjust and store the auto-adjustment volume level for each source, comparing to the FM volume level. The volume level will automatically increase or decrease when you change the source.</p> <ul style="list-style-type: none"> • <Fix> appears when an FM broadcast is selected as the source. <p>◆ -12 to +12; Initial <u>00</u></p>
<p>Subwoofer Level</p>	<p>You can adjust the output level of the subwoofer when it is activated. (🔊 17)</p> <p>◆ -06 to +08; Initial <u>00</u></p>
<p>High Pass Filter</p>	<p>◆ Through : Select when the subwoofer is not connected. ◆ On : Select when the subwoofer is connected.</p>
<p>Crossover</p>	<p>Select the crossover frequency between the front/rear speakers and the subwoofer.</p> <p>◆ 80Hz, 120Hz, 150Hz</p>
<p>Amplifier Gain *2</p>	<p>You can change the maximum volume level of this unit.</p> <ul style="list-style-type: none"> ◆ Off : Deactivates the built-in amplifier. ◆ Low Power : VOL 00 to 30 (Select this if the maximum power of the speakers is less than 50 W.) ◆ High Power : VOL 00 to 50
<p>Rear Speaker *3</p>	<p>You can activate/deactivate the rear speakers.</p> <p>◆ Off, On</p>


*1 For "DISC/USB": You can make the adjustments separately depending on the audio format—Dolby digital and the others.

*2 The volume level automatically changes to "30" if you change to <Low Power> with the volume level set higher than "30."


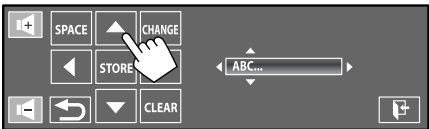
*3 This setting takes effect only when Dual Zone is activated. (🔊 43)

Selectable items when the source is:

- **TUNER** : **Mono, SSM, PTy Standby, PTy Code**
- **DAB** : **D. (Dynamic) Range Control, Announce Standby, Announce Code, PTy Standby, PTy Code**
- **DISC, USB, CD-CH, iPod, Bluetooth***1 : **Repeat, Random**
- **iPod USB** : **Repeat, Random, AudioBooks**
- **AV-IN, EXT-IN** : **Title Entry**

Menu item	Selectable setting/item
Mono	When an FM stereo broadcast is hard to receive, activate monaural mode for better reception. <ul style="list-style-type: none"> ◆ Off : Restores the stereo effect. ◆ On : Activates monaural mode to improve FM reception, but stereo effect will be lost. The MONO indicator lights up.
SSM (Strong-station Sequential Memory)	You can automatically preset 6 stations for each FM band. <ul style="list-style-type: none"> • Local FM stations with the strongest signals are searched and stored automatically in the FM band. 
PTy Standby	You can turn on and off the PTy Standby Reception. (🔊 35) <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates the PTy Standby Reception.
PTy Code	Selects the PTy code for the PTy Standby Reception. (🔊 34, 35)
D. (Dynamic) Range Control	Some DAB services provide Dynamic Range Control (DRC) signals together with their regular programme signals. DRC will reinforce the low level sounds to improve your listening. <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ DRC1, DRC2, DRC3 : As the number increases, the effect becomes stronger.
Announce Standby	You can turn on and off the Announce Standby Reception. (🔊 55) <ul style="list-style-type: none"> ◆ Off : Cancels. ◆ On : Activates the Announce Standby Reception.
Announce Code	Selects the announcement type for the Announce Standby Reception. (🔊 55) <ul style="list-style-type: none"> ◆ Transport News, Warning, News, Weather, Event, Special Event, Radio Info, Sports News, Financial News

*1 KD-AVX77 only

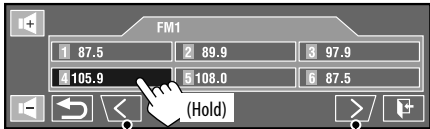
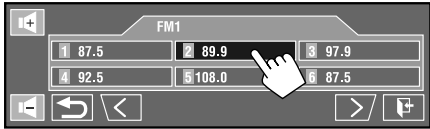

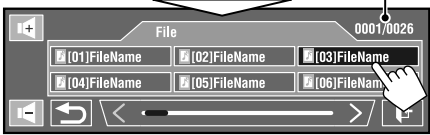
Menu item	Selectable setting/item
Repeat	<p>Available items depend on the types of loaded disc and playback file.</p> <ul style="list-style-type: none"> ◆ Chapter : Repeats current chapter. ◆ Title : Repeats current title. ◆ Program : Repeats current program (For DVD-VR, not available during Playlist playback). ◆ Disc : Repeats all tracks of the current disc. ◆ Folder/Group*2 : Repeats all tracks of the current folder/group. ◆ Track : Repeats current track. (For VCD: When PBC is not in use.) ◆ One : Functions the same as “Repeat One” of the iPod/iPhone. ◆ All : Functions the same as “Repeat All” of the iPod/iPhone. ◆ Off : Cancels.
Random	<p>Available items depend on the types of loaded disc and playback file.</p> <ul style="list-style-type: none"> ◆ Folder/Group*2 : Randomly plays all tracks of the current folder/group, then tracks of the next folders/groups. ◆ Disc/USB : Randomly plays all tracks. (For VCD: When PBC is not in use.) ◆ All : Randomly plays all tracks of all loaded discs. ◆ Song : Functions the same as “Shuffle Songs” *3 of the iPod/iPhone. ◆ Album : Functions the same as “Shuffle Albums” of the iPod/iPhone. ◆ Off : Cancels.
AudioBooks *4	<p>You can select the playback speed of the audiobook sound file in your iPod/iPhone.</p> <ul style="list-style-type: none"> ◆ Normal : Plays at normal speed. ◆ Faster : Plays faster. ◆ Slower : Plays slower.
Title Entry	<p>You can assign titles (up to 16 characters) to “AV-IN” and “EXT-IN.” (For available characters,  63.)</p> <div data-bbox="270 875 729 1010" style="border: 1px solid black; padding: 5px; margin: 10px 0;">  </div> <p>[▲/▼]: Changes the character one by one. [◀/▶]: Moves the cursor. [SPACE]: Enters a space. [CHANGE]: Changes the character set. [STORE]: Confirms the entry. [CLEAR]: Erases all entered characters.</p>

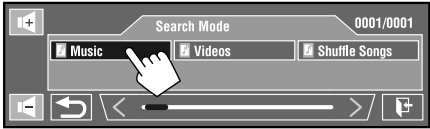
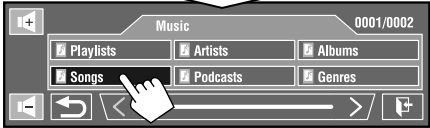
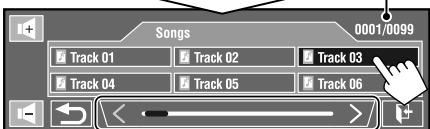
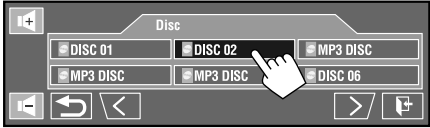
*2 KD-AVX77 only

*3 You can activate <Shuffle Songs> in <Search Mode> menu. ( 28)

*4 Not selectable when connecting the iPod with the interface adapter. ( 52)



Source	Operation/setting
TUNER/DAB	<ul style="list-style-type: none"> • Storing a preset station/service manually <ol style="list-style-type: none"> 1 Touch [BAND], then [^ / v] to tune in to the station/service you want to preset. 2 Touch [🎵⚙️], then [List]. 3 Select a preset number. Ex.: When storing an FM station  <p style="text-align: center;">Touch to select the band.</p> <p style="text-align: center;">The station selected in step 1 is now stored in preset number 4.</p> • Selecting a preset station/service on the list Ex.: When selecting an FM preset station 
DISC/USB	<p>Selecting a track on the list</p> <p>If a disc/device includes folders, you can display the Folder/Track (File) Lists, then start playback.</p>  <p style="text-align: center;">Touch/drag to browse the Lists.</p>  <ol style="list-style-type: none"> 1 Current folder list number/total folder list number 2 Current track list number/total track list number of the current folder

Source	Operation/setting
iPod USB	<p data-bbox="270 113 671 136">Selecting a track/video from <Search Mode>*1</p>  <ul style="list-style-type: none"> <li data-bbox="270 292 874 343">◆ Music : Playlists, Artists, Albums, Songs, Podcasts, Genres, Composers, Audiobooks <li data-bbox="270 350 905 401">◆ Videos : Video Playlists, Movies, Music Videos, TV Shows, Video Podcasts <li data-bbox="270 409 563 432">◆ Shuffle Songs : Starts playback.   <p data-bbox="750 649 957 758">① Current track list number/total track list number of the current folder</p>
CD-CH	<p data-bbox="270 856 493 879">Selecting a disc on the list</p>  <ul style="list-style-type: none"> <li data-bbox="270 1030 931 1081">• If currently played MP3 disc is selected, Folder List appears. Track List also appears by selecting the current folder. (🔍 27) Select a track to start playback.


*1 You can enter <Search Mode> menu when "HEAD MODE" is selected.
Available search modes depend on the type of your iPod/iPhone.

F/R Dual Zone

For Dual Zone operations, (🔍) 43.



- Firstly, use <New Pairing> in <Device Menu> to register and establish the connection with a device.

Menu item	Selectable setting/item
Dial Menu *1*2	<p>Select a calling method, then select the desired item to call.</p> <ul style="list-style-type: none"> ◆ Redial : Shows the list of the phone numbers you have dialed. ◆ Received Calls : Shows the list of the received calls. ◆ Phonebook : Shows the phone book copied from a cellular phone. (📞 31) ◆ Preset Calls : Shows the list of the preset numbers. (📞 50) ◆ Phone Number : Shows the phone number entry screen.  <p>[BS]: Erases the last character. [Dial]: Calls the entered number. [Preset]: Goes to <Preset Memory>. You can preset the entered number by selecting a preset number.</p> <ul style="list-style-type: none"> ◆ Voice Dialing*3 : Available only when the connected cellular phone has the voice recognition system → Speak the name you want to call.

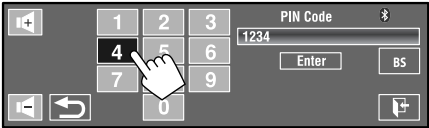

*1 Only for the device connected for Bluetooth phone.

*2 You can display the last opened menu in <Dial Menu> by pressing  on the remote controller.
You can display <Redial> by holding  on the remote controller.

*3 You can also activate it by holding [ ].

To delete the phone numbers/names

- 1 Touch [Delete] when <Redial>, <Received Calls>, or <Phonebook> in <Dial Menu> is displayed.
- 2 Select the phone number/name you want to delete.
 - Touch [All] to delete all the numbers/names in the selected item.
- 3 Touch [Yes] to confirm deleting.
 - To cancel, touch [No].

Menu item	Selectable setting/item
Phone Connect *4/ Audio Connect *4	Only for the registered devices. Select a device from among the registered devices, establish the connection with it.
Phone Disconnect *4/ Audio Disconnect *4	Only for the device being connected. Disconnect the current device before connecting another device.
Delete Pairing	Only for the registered devices. Touch [Yes] to confirm deleting the registered devices.
New Pairing	<p>Preparation:</p> <ul style="list-style-type: none"> Operate the Bluetooth device to turn on its Bluetooth function. <p>1 Enter a PIN (Personal Identification Number)*5.</p> <ul style="list-style-type: none"> You can enter any number you like (1-digit to 16-digit number).  <p>[BS]: Erases the last character. [Enter]: Confirms the entry.</p> <p>2 Operate the Bluetooth device to connect while “Open...” is displayed on the screen. Enter the same PIN code (as entered in the above step) on the device to be connected.</p> <p>Now connection is established and you can use the device through the unit.</p> <ul style="list-style-type: none"> The device remains registered even after you disconnect the device. Use <Phone Connect>/<Audio Connect> (or activate <Auto Connect>,  31) to connect the same device from next time.

*4 When a device is not connected to the unit, **<Phone Connect>** and **<Audio Connect>** appear. When a device has already been connected to the unit, **<Phone Disconnect>** and **<Audio Disconnect>** appear.

Menu item	Selectable setting/item
Settings	<p>Auto Connect</p> <p>When the unit is turned on, the connection is established automatically with...</p> <ul style="list-style-type: none"> ◆ Off : No Bluetooth device. ◆ Last : The last connected Bluetooth device.
	<p>Auto Answer</p> <ul style="list-style-type: none"> ◆ Off : The unit does not answer the calls automatically. Answer the calls manually. ◆ On : The unit answers the incoming calls automatically. ◆ Reject : The unit rejects all incoming calls.
	<p>SMS Notify</p> <ul style="list-style-type: none"> ◆ Off : The unit does not inform you of the arrival of a message. ◆ On : The unit informs you of the arrival of a message by ringing and displaying "Receiving Message."
	<p>Add Phonebook</p> <p>You can copy the phone book memory of a cellular phone into the unit.</p> <ol style="list-style-type: none"> 1 Enter a PIN (Personal Identification Number).^{*5} <ul style="list-style-type: none"> • You can enter any number you like (1-digit to 16-digit number). <div data-bbox="398 601 854 735" style="border: 1px solid black; padding: 5px; margin: 10px 0;"> </div> <ul style="list-style-type: none"> [BS]: Erases the last character. [Enter]: Confirms the entry. <ol style="list-style-type: none"> 2 Operate the target cellular phone. Enter the same PIN code (as entered in the above step) on the cellular phone then transfer the phone book memory to the unit. (Refer to the instruction manual supplied with your cellular phone.) 3 Touch [↩] to finish the procedure. <ul style="list-style-type: none"> • If you try to copy a 101st phone book entry, "Phonebook Full" appears on the monitor. Delete unwanted names before copying. (🔍 29)

^{*5} Some devices have their own PIN code. Enter the specified PIN code to the unit.

Continued on the next page

	Menu item	Selectable setting/item
Settings	MIC Setting	Adjust the volume of the microphone connected to the unit. ◆ 01/02/03
	Phone Volume	Adjust the phone volume. ◆ 00 to 30 or 50 * ⁶ , Initial 15
	Initialize	You can initialize all settings you have made in <Bluetooth>. ◆ No : Cancels. ◆ Yes : Initializes the settings.
	Information	The following information is shown: ◆ Name : The unit name ◆ Address : The Mac address of the unit ◆ Version : The Bluetooth software/hardware versions* ⁷ ◆ Phone Device/Audio Device : The connected device names

*⁶ Depends on the amplifier gain control. (🔊 24)

*⁷ If you wish to receive more information about Bluetooth, visit the following JVC web site:
<<http://www.jvc.co.jp/english/car/>> (English website only)

Listening to the radio



1 Touch [SRC], then select “TUNER.”

2 Touch [BAND]. →FM1→FM2→FM3→AM←

3 Touch [▼] or [▲] to search for a station—Auto Search.

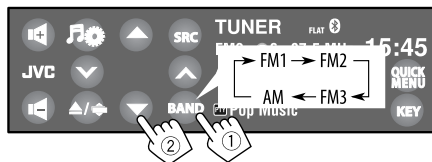
- Manual Search: Hold either [▼] or [▲] until “Manual Search” appears on the screen, then touch it repeatedly.
- The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.

- A Band
- B Preset number
- C Sound mode
- D PS (station name) for FM Radio Data System.
If no PS signal is coming in, “No Name” appears.
- E PTY code for FM Radio Data System (34)
- F Tuner/Standby Reception indicators

Selecting a preset station

- To preset stations into memory, 25, 27.

Directly from the touch panel



- You can also select a preset station using the remote controller (9, 10) and from the Preset List (27).

You can display the Preset List by holding [▲ / ▼].

- To improve the FM reception, 25.
- To use convenient functions for FM Radio Data System stations, 34.

The following features are available only for FM Radio Data System stations.

■ Searching for FM Radio Data System programme—PTY Search

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

1 Display <PTY Search> menu.

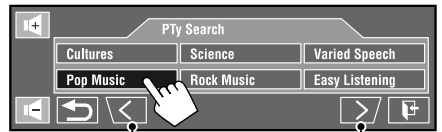


2 Select a PTY code.

- You can select a PTY from 29 PTY codes.

PTY Search starts.

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








Moves to the other 6 PTY codes.

Available PTY codes:

News, Current Affairs, Information, Sport, Education, Drama, Cultures, Science, Varied Speech, Pop Music, Rock Music, Easy Listening, Light Classics M, Serious Classics, Other Music, Weather & Metr, Finance, Children's Progs, Social Affairs, Religion, Phone In, Travel & Touring, Leisure & Hobby, Jazz Music, Country Music, National Music, Oldies Music, Folk Music, Documentary

■ Activating/deactivating TA/ PTY Standby Reception

TA Standby Reception	Indicator
To activate, touch [QUICK MENU] , then  .	TP
The unit will temporarily switch to Traffic Announcement (TA) if available, from any source other than AM. • The volume changes to the preset TA volume level if the current level is lower than the preset level. ( 18)	Lights up
Not yet activated. Tune in to another station providing the Radio Data System signals.	Flashes
To deactivate, touch [QUICK MENU] , then  .	Goes off

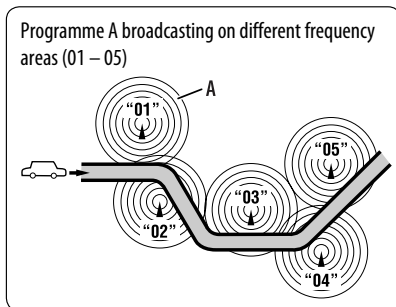
PTY Standby Reception	Indicator
To activate, touch [QUICK MENU] , then  .	PTY
The unit will temporarily switch to your favorite PTY programme from any source other than AM.	Lights up
Not yet activated. Tune in to another station providing the Radio Data System signals.	Flashes
To deactivate, touch [QUICK MENU] , then  .	Goes off

- When a DAB tuner is connected, TA Standby/PTY Standby Reception also works for the DAB tuner and searches for the services.

To change the PTY code for PTY Standby Reception,  25.


■ Tracing the same programme —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 programme with stronger signals.




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

To change the Network-Tracking Reception setting, see <AF Regional>. ( 18)

- When the DAB tuner is connected, refer also to “Tracing the same programme—Alternative Frequency Reception (DAB AF).” ( 55)

■ Automatic station selection— Programme 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 programme as the original preset station is broadcasting. To activate this function, select <On> for <Program Search>. ( 19)

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

Disc operations

The disc type is automatically detected, then playback starts (for some discs, the top menu of the disc appears).

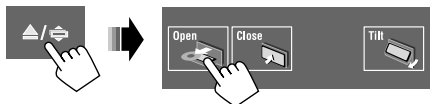
If a disc does not have any disc menu, all tracks on it will be played repeatedly until you change the source or eject the disc.

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.

1 Open the monitor panel.

- By holding [▲/⏪], you can open the monitor panel and eject the disc.

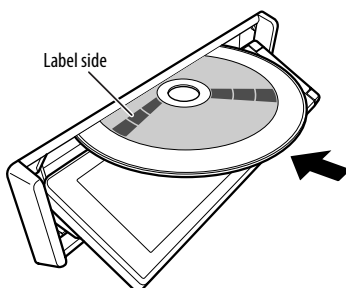


2 Insert a disc.

Monitor panel closes automatically.

- If not, touch [Close].

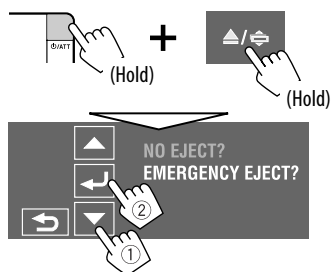
Playback starts automatically.



Caution:

Do not place your finger behind the monitor panel.

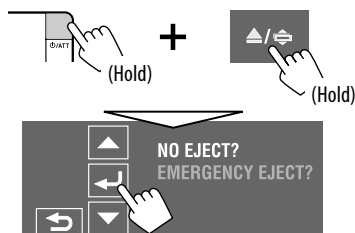
How to forcibly eject a disc



- Be careful not to drop the disc when it ejects.
- If this does not work, reset your unit. (📺 3)

Prohibiting disc ejection

You can lock a disc in the loading slot.



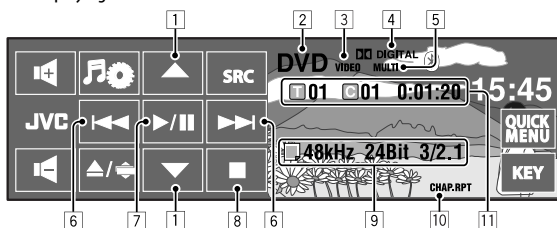
To cancel the prohibition, repeat the same procedure to select <EJECT OK?>.

Operation buttons and information on the touch panel

Operation buttons and information are shown on the touch panel.

- While watching playback pictures, you can display the buttons and information by touching the touch panel or moving your hand nearby. (🔍 20)

Ex.: While playing a DVD Video



- While MP3/WMA/AAC file is played, "Jacket picture" is shown if the file has the tag data including "Jacket picture." (🔍 16)

- 1 [▲/▼]
 - DVD Video/DVD-VR: Selects title/program/playlist.
 - DivX/MPEG1/MPEG2/JPEG/MP3/WMA/WAV/AAC:
 - Selects folder
 - Displays Folder/Track List (Hold)
- 2 Disc type—DVD, VCD, CD
- 3 Video or image format/playback mode—VIDEO, DivX, MPEG, JPEG, VR-PRG (program), VR-PLAY (playlist), PBC
- 4 Audio format—Dolby Digital, LPCM, MP3, WMA, WAV, AAC
- 5 Surround/sound mode (🔊 21, 23)
- 6 [◀▶/▶▶]
 - DVD Video/DVD-VR: Selects chapter.
 - DivX/MPEG1/MPEG2/JPEG/VCD/CD/MP3/WMA/WAV/AAC: Selects track.
 - DVD Video/DVD-VR/DivX/MPEG1/MPEG2/VCD/CD/MP3/WMA/WAV/AAC: Reverse/forward search* (Hold)
- 7 [▶||] Starts playback/pauses
- 8 [■] Stops playback
- 9 Disc/track information
 - DVD Video/DVD-VR: Sampling frequency/Bit rate/Recorded signal channel no.
 - DivX/MPEG1/MPEG2/JPEG: Folder name/file name
 - CD Text: Current track title/artist name/album title
 - "No Name" appears for conventional CDs or if not recorded
 - MP3/WMA/WAV/AAC: Current folder name/current file name, or tag data (current track title/artist name/album title) if it is recorded
- 10 Playback mode (🔍 26)
- 11
 - DVD Video: Title no./Chapter no./Playing time
 - DVD-VR: Program no. (or Playlist no.)/Chapter no./Playing time
 - DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC: Folder no./Track no./Playing time
 - JPEG: Folder no./Track no.
 - VCD/CD: Track no./Playing time

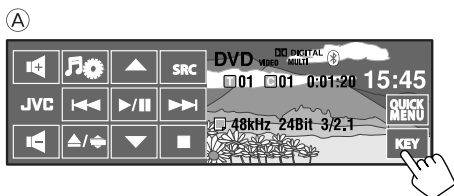
* Search speed varies depending on the type of disc or file. (🔍 39, 40)

- To select the playback mode, 🔍 26.
- To select tracks from the list, 🔍 27.

Changing the operation buttons

You can change the operation buttons while watching the playback pictures on the screen.

- If no operation is done for about 10 seconds, the operation buttons disappear (except when a disc menu is displayed).



Returns to (A)

- (A)
- []: Displays AV Menu.
 - [▲ / ▼]: 37
 - [SRC]: Displays Source Menu.
 - [◀ / ▶]:
 - Reverse/forward skip
 - Reverse/forward search (Hold)
 - [▶ / ||]: Starts playback/pauses.
 - [■]: Stops playback.
 - [QUICK MENU]: Displays Quick Menu. (7)

- (B)
- Source buttons:
Changes the source.











- (C)
- For DVD menu operation
- [TOP MENU]:
Displays the disc menu

- [▲ / ▼ / ◀ / ▶]:
Selects the menu items.

- [MENU]: Displays the disc menu
- [◀]: Confirms the selection
- [↶]: Returns to the previous menu

- (D)
- For DVD playback
- []: Changes the audio language, audio stream, or audio channel
 - []: Changes or turns off the subtitle language
 - []: Changes the view angle

Operations using the remote controller (RM-RK252)

Button	 DVD Video /  DVD-VR	 DivX/MPEG1 MPEG2/JPEG
	Stop play	Stop play
	Start play/Pause (if pressed during play)	<ul style="list-style-type: none"> DivX/MPEG1/MPEG2: Start play/Pause (if pressed during play) JPEG: Start play (Slide show: Each file is shown for a few seconds.) Show the current file until you change it if pressed during slide show.
	<ul style="list-style-type: none"> Reverse/forward chapter search*¹ (No sound can be heard.) Slow motion*² during pause (No sound can be heard.) – DVD-VR: Reverse slow motion does not work. 	DivX/MPEG1/MPEG2: Reverse/forward track search* ⁴ (No sound can be heard.)
	<ul style="list-style-type: none"> Select chapter (during play or pause) Reverse/fast forward chapter search*³ (No sound can be heard.) (Hold) 	<ul style="list-style-type: none"> DivX/MPEG1/MPEG2: <ul style="list-style-type: none"> – Select track – Reverse/fast forward track search*⁵ (No sound can be heard.) (Hold) JPEG: Select file
	<ul style="list-style-type: none"> DVD-Video: Select title (during play or pause) DVD-VR: Select program Select playlist (during play or pause) 	Select folder
	—	DivX/MPEG1/MPEG2: Skip back or forward the scenes by about 5 minutes
	Select aspect ratio	Select aspect ratio

*¹ Search speed: ×2 ⇨ ×5 ⇨ ×10 ⇨ ×20 ⇨ ×60










*² Slow motion speed:  ⇨  ⇨  ⇨  ⇨ 


*³ Search speed: ×2 ⇨ ×10

*⁴ Search speed:  ⇨  ⇨ 

*⁵ Search speed:  ⇨ 

Continued on the next page

Button	 VCD	 MP3/WMA WAV/AAC	 CD
	Stop play	Stop play	Stop play
	Start play/Pause (if pressed during play)	Start play/Pause (if pressed during play)	Start play/Pause (if pressed during play)
	<ul style="list-style-type: none"> Reverse/forward track search (No sound can be heard.)*¹ Forward slow motion*² during pause. (No sound can be heard.) <i>– Reverse slow motion does not work.</i>	Reverse/forward track search* ¹	Reverse/forward track search* ¹
	<ul style="list-style-type: none"> Select track Reverse/fast forward track search*³ (No sound can be heard.) (Hold) 	<ul style="list-style-type: none"> Select track Reverse/fast forward track search*³ (Hold) 	<ul style="list-style-type: none"> Select track Reverse/fast forward track search*³ (Hold)
	—	Select folder	—
	Select aspect ratio	—	—

*1, *2, *3  39

Searching for an item directly


- While holding SHIFT, press DIRECT repeatedly to select the desired search mode.

DVD-Video: 

DVD-VR: 

DivX/MPEG1/MPEG2: 

JPEG: 

MP3/WMA/WAV/AAC: 

VCD/CD: 

- While holding SHIFT, press the number buttons (0 – 9) to enter the desired number.
- Press ENT (enter) to confirm.


- For DivX/MPEG1/MPEG2/JPEG/MP3/WMA/WAV/AAC, track is searched within the same folder.
- For DVD-VR, program/playlist search is possible during Original program playback (PG)/Playlist playback (PL).
- To erase a misentry, press CLR (clear) while holding SHIFT.

Using menu driven features

• DVD Video

- 1 Press TOP M/MENU to enter the menu screen.
- 2 Press $\Delta/\nabla/\leftarrow/\rightarrow$ to select an item you want to start play.
- 3 Press ENT (enter) to confirm.


• DVD-VR

- 1 Press TOP M to enter the Original Program. Press MENU to enter the Playlist.
 - 2 Press $\Delta/\nabla/\leftarrow/\rightarrow$ to select an item you want to start play.
 - 3 Press ENT (enter) to confirm.
- Original Program/Playlist screen,  59.

• VCD

- 1 While holding SHIFT, press DIRECT to enter the search mode.
 - 2 While holding SHIFT, press the number buttons (0 – 9) to enter the desired number.
 - 3 Press ENT (enter) to confirm.
- To return to the previous screen, press RETURN.

Canceling the PBC playback (VCD)

- 1 Press , then press DIRECT while holding SHIFT.
 - 2 While holding SHIFT, press the number buttons (0 – 9) to enter the desired number.
 - 3 Press ENT (enter) to confirm.
- To resume PBC, press TOP M/MENU.


Operations using the on-screen bar

(DVD-Video/DVD-VR/DivX/MPEG1/MPEG2/JPEG/VCD)

These operations are possible on the monitor using the remote controller.

1 Show the on-screen bar. (42)

 (twice)

- The on-screen bar is not displayed fully under some <Aspect> settings. ( 15)

2 Select an item.



3 Make a selection.

If pop-up menu appears...



- To cancel pop-up menu, press RETURN.
- For entering time/numbers, see the following.

Entering time/numbers

Press Δ/∇ to change the number, then press \leftarrow/\rightarrow to move to the next entry.

- Each time you press Δ/∇ , the number increases/decreases by one value.
- After entering the numbers, press ENT (enter).
- It is not required to enter the zero and trailing zeros (the last two digits in the example below).

Ex.: Time search

DVD: $_:_:_:$ (Ex.: 1:02:00)

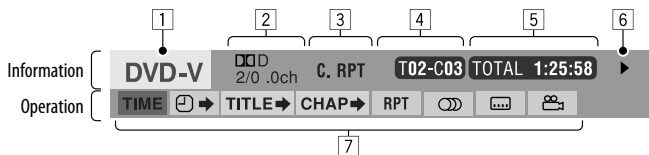
Press Δ once, then \rightarrow twice to go to the third entry, Δ twice, then press ENT (enter).

Removing the on-screen bar



On-screen bar

Ex.: DVD-Video



- | | |
|---|---|
| <p>1 Disc type</p> <p>2 • DVD-Video: Audio signal format type and channel
• VCD:PBC</p> <p>3 Playback mode*¹</p> <p>DVD-Video: T. RPT: Title repeat
C. RPT: Chapter repeat</p> <p>DVD-VR: C. RPT: Chapter repeat
PG. RPT: Program repeat</p> <p>DivX/MPEG1/MPEG2:
T. RPT: Track repeat
F. RPT: Folder repeat
A. RND: All (Disc) random
F. RND: Folder random</p> <p>JPEG:
F. RPT: Folder repeat</p> <p>VCD*²: T. RPT: Track repeat
A. RND: All (Disc) random</p> <p>4 Playback information</p> <p>T02-C03 Current title/chapter</p> <p>PG001 C002 Current program/chapter</p> <p>PL001 C002 Current playlist/chapter</p> <p>TRACK 01 Current track</p> <p>F001-T001 Current folder/track</p> <p>F001-F001 Current folder/file</p> <p>5 Time indication</p> <p>TOTAL Elapsed playing time of the disc (For DVD-Video, elapsed playing time of the current title/program/playlist.)</p> <p>T. REM DVD-Video/DVD-VR: Remaining title/program/playlist time
VCD: Remaining disc time</p> | <p>TIME Elapsed playing time of the current chapter/track*³</p> <p>REM Remaining time of the current chapter/track*³</p> <p>6 Playback status</p> <p>▶ Play</p> <p>▶▶ / ◀◀ Forward/reverse search</p> <p>▶▶ / ◀◀ Forward/reverse slow-motion</p> <p>⏸ Pause</p> <p>■ Stop</p> <p>7 Operation icons</p> <p>TIME Change time indication (see 5)</p> <p>🕒 Time Search (Enter the elapsed playing time of the current title/program/playlist or of the disc.)</p> <p>TITLE▶ Title Search (by its number)</p> <p>CHAP▶ Chapter Search (by its number)</p> <p>TRACK▶ Track Search (by its number)</p> <p>RPT Repeat play*¹</p> <p>RND Random play*¹</p> <p>🗣️ Change the audio language, audio stream, or audio channel</p> <p>📄 Change or turn off the subtitle language</p> <p>👁️ Change the view angle</p> |
|---|---|

*¹ For repeat play/random play, 🗣️ 26.

*² While PBC is not in use.

*³ Not applicable for DVD-VR.

Using divided screens—Dual Display

A playback picture and the navigation screen/rear view screen can be displayed at the same time.

Preparation:

Make sure the following settings.

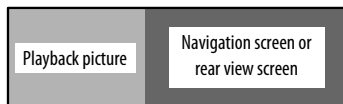
- **<On>** is selected for **<Dual Display>**. (👁️ 15)
- **<Navigation>** or **<Camera>** is selected for **<AV Input>**. (👁️ 19)

While watching a playback picture on the screen, the navigation or rear view*¹ screen is displayed at the same time.

- You can swap the position of the screens in **<Key Position>**.

(👁️ 15)

To deactivate, select **<Off>** for **<Dual Display>**.



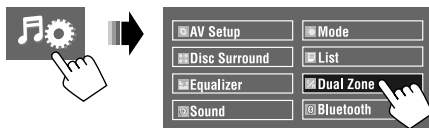
*¹ Only when the signal comes in

Dual Zone operations

You can enjoy disc playback on the external monitor connected to the VIDEO OUT and 2nd AUDIO OUT plugs, while listening to any source other than "USB" through the speakers.

- When Dual Zone is in use, you can only operate the DVD/CD player using the remote controller.

1 Select <Dual Zone> on AV Menu.



2 Activate Dual Zone.

<Off>:

Deactivates Dual Zone.

<On>:

Activates Dual Zone without Headphone Surround. The DUAL ZONE ON indicator lights up.

<On/Surround On>:

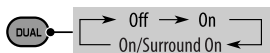
Activates Dual Zone with Headphone Surround*². The DUAL ZONE SR ON indicator lights up.

*² JVC original headphone virtual surround system. This surround will also work for the main source "DISC" if **<On/Surround On>** is selected. This surround does not work for DivX/MPEG1/MPEG2 discs.

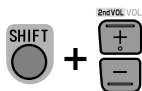
Continued on the next page

On the remote:

1



2 Adjust the volume through the 2nd AUDIO OUT plug.



- The volume level is shown on the connected external monitor.

3 Operate the DVD/CD player.

To select a different source (main source) to listen to through the speakers

Touch [SRC], then select a source.

- **By using the touch panel**, you can operate the newly selected source without affecting Dual Zone (Disc) operations.
- **You cannot select "USB" for the main source.**

Operations using the control screen

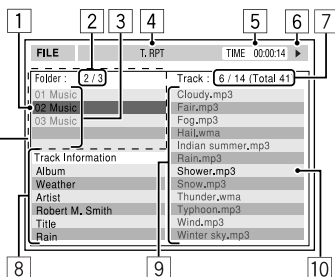
For discs except DVD and VCD:

While Dual Zone is on, these operations are possible on the external monitor using the remote controller.

The control screen automatically appears when you insert a disc. (For DivX/MPEG1/MPEG2/JPEG; while not playing.)

DivX/MPEG1/MPEG2/JPEG MP3/WMA/WAV/AAC

Ex.: MP3/WMA



- 1 Current folder (highlighted bar)
- 2 Current folder no./total folder no.
- 3 Folder list
 - * If tag data includes "Jacket Picture" (baseline JPEG), it will be displayed. If you press OSD, the playback mode selection window appears. (E 45)
- 4 Selected playback mode (E 45)
- 5 Elapsed playing time of the current track (not displayed for JPEG)
- 6 Operation status
- 7 Current track no./total number of tracks in the current folder (total number of tracks on the disc)
- 8 Track information (only for MP3/WMA/WAV/AAC)
- 9 Track list
- 10 Current track (highlighted)

To select a folder or track

1 Select "Folder" column or "Track" column on the control screen.



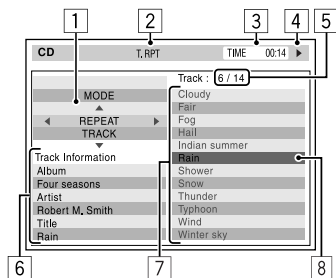
2 Select a folder or track.



- If necessary, press ►/|| to start playback.



Ex.: CD Text



- 1 The playback mode selection window: appears when OSD is pressed (see the right).
- 2 Selected playback mode (see the right).
- 3 Elapsed playing time of the current track
- 4 Operation status
- 5 Current track number/total number of tracks on the disc
- 6 Track information
- 7 Track list
- 8 Current track (highlighted bar)

To select a track



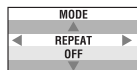
- If necessary, press ►/|| to start playback.

Selecting playback modes

You can also change the playback modes using the playback mode selection window.

- For JPEG, Random cannot be selected.

1



2 Except for JPEG: Select a playback mode.



3 Select your desired option.



4



Selectable playback mode

- DivX/MPEG1/MPEG2/JPEG: (📷 42)
- MP3/WMA/WAV/AAC:
 - T. RPT: Track repeat
 - F. RPT: Folder repeat
 - F. RND: Folder random
 - A. RND: All (Disc) random
- CD:
 - T. RPT: Track repeat
 - A. RND: All (Disc) random

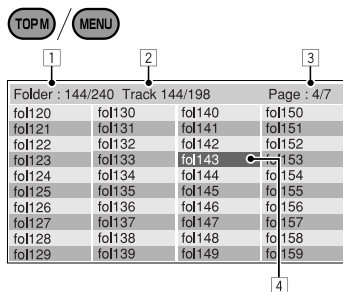
■ Operations using the list screen

For discs other than DVD, VCD, and CD

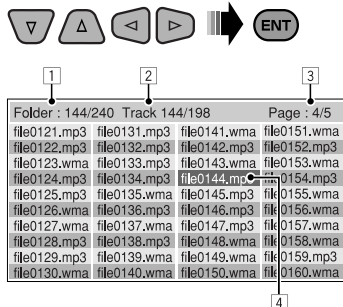
While Dual Zone is on, these operations are possible on the external monitor using the remote controller.

While playback is stopped...

1 Display the list screen.



2 Select a folder on the list.



3 Select a track on the list.



• To go back to the folder list, press RETURN.

- 1 Current folder number/total folder number
- 2 Current track number/total number of tracks in the current folder
- 3 Current page/total number of the pages included in the list
- 4 Current folder/track (highlighted bar)

■ Using Dual Display

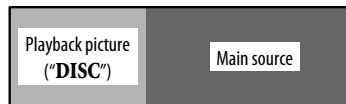
While Dual Zone is on, the main source (other than “USB”) and “DISC” can be displayed at the same time.

- Dual Display works while watching a playback picture on the external monitor.

Preparation:

Make sure <On> is selected for <Dual Display>.

(🔍 15)

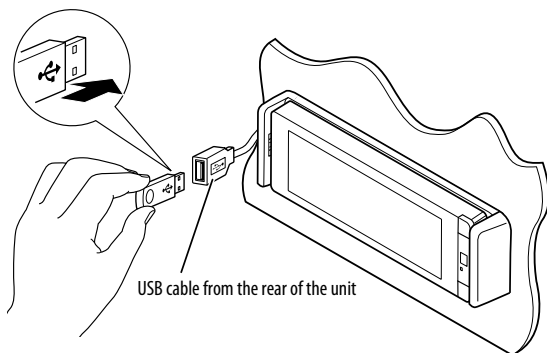


To deactivate, select <Off> for <Dual Display>.

USB operations


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

- You can also connect the iPod/iPhone to the USB terminal of the unit. For details of the operations,  51.



The source changes to “**USB**” and playback starts.

This unit can play JPEG/MPEG1/MPEG2*¹/MP3/WMA/WAV/AAC*² files stored in USB mass storage class device.



- You can operate the USB device in the same way you operate the files on discs. ( 37 – 43)
- You cannot select “**USB**” when Dual Zone is in use.
- All tracks in the USB device will be played repeatedly until you change the source.

*¹ Except for MPEG2 files recorded by JVC Everio camcorder (extension code <.mod>).

*² This unit can play back AAC files encoded using iTunes. This unit cannot play back FairPlay-encrypted files.

Cautions:

- Avoid using the USB device if it might hinder your safety driving.
- Do not pull out and attach the USB device repeatedly while “Now Reading” is shown on the screen.
- Do not start the car engine if a USB device is connected.

- Stop playback before disconnecting a USB device.
- 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.
- This unit may not be able to play the files depending on the type of USB device.
- Operation and power supply may not work as intended for some USB devices.
- You cannot connect a computer to the USB () terminal of the unit.
- Make sure all important data has been backed up to avoid losing the data.
- Do not leave a USB device in the car, expose to direct sunlight, or high temperature to avoid deformation or cause damages to the device.
- Some USB devices may not work immediately after you turn on the power.
- For more details about USB operations,  61.

Using the Bluetooth® devices (KD-AVX77 only)



Bluetooth is a short-range wireless radio communication technology for the mobile device such as mobile phones, portable PCs, and other devices. The Bluetooth devices can be connected without cables and communicate with each other.

- Refer to the list (included in the box) to see the countries where you may use the Bluetooth® function.

Bluetooth profile

This unit supports the following Bluetooth profiles;

- HFP (Hands-Free Profile) 1.5
- OPP (Object Push Profile) 1.1
- A2DP (Advanced Audio Distribution Profile) 1.2
- AVRCP (Audio/Video Remote Control Profile) 1.3

Connecting a new Bluetooth device

Connecting a Bluetooth device for the first time

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

To make pairing, you may need to enter the PIN (Personal Identification Number) code of your Bluetooth device you want to connect.

- 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.
- Only one device for Bluetooth phone and one for Bluetooth audio can be connected at a time.
- To use the Bluetooth function, you need to turn on Bluetooth function of the device.

Use <New Pairing> in <Bluetooth> menu to register and establish the connection with a new device.

( 30)

To connect/disconnect/delete a device, ( 30).

Bluetooth Information:

If you wish to receive more information about Bluetooth, visit the following JVC web site:

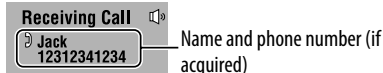
<<http://www.jvc.co.jp/english/car/>> (English website only)

Using the Bluetooth cellular phone

To make a call, use <Dial Menu>. (📞 29)

When a call comes in...

The source is changed to "Bluetooth" automatically.



When <Auto Answer> is activated...

The unit answers the incoming call automatically.



When <Auto Answer> is deactivated...

To answer the incoming call

Touch the message displayed on the touch panel.

To end the call

Hold the message displayed on the touch panel.

- You can adjust the microphone volume, (🔊 32).

Answering a waiting call

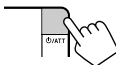
If your cellular phone is equipped with the call waiting function, you can put the current call on hold and answer the waiting call.

Touch any button on the touch panel (except volume +/- buttons).

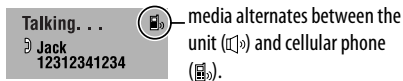
- To restore the on-hold call, touch any button on the touch panel (except volume +/- buttons) again.
- When you end one call, you can connect to the other.

Switching conversation media (the unit/cellular phone)

During a phone call conversation...



Each time you press the button, the conversation



Then, continue your conversation using the selected media.

When a text message comes in...

If the cellular phone is compatible with text message, the unit tells you a message has been received.



Receiving Message

To read a received message, operate the cellular phone after stopping the car in a safe place.

- You cannot read, edit, or send a message through the unit.

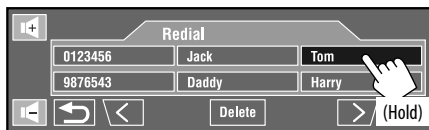
Continued on the next page

■ Presetting the phone numbers

You can preset up to 6 phone numbers.

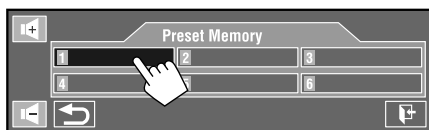
- 1 Display <Redial>, <Received Calls>, <Phonebook>, or <Phone Number>. (🔍 29)

- 2 Select a telephone number to store.



- 3 Select a preset number.

Now "Tom" is stored into preset no. 1.



To call a preset number, 🔍 29.

Using the Bluetooth audio player



- 1 Touch [SRC], then select "Bluetooth."
- 2 Touch [▶/||] to start playback.

[▶/||]: Starts playback.
[▲/▼]: Selects group/folder.
[◀/▶]: • Reverse/forward skip
• Reverse/forward search (Hold)
[■]: Pauses.

- Some Bluetooth devices may not be controlled by the buttons.

- A Sound mode
- B Connected device type indication
- C Status of the device: Signal strength/Battery remainder (only when the information comes from the device)
- D Track no./Playing time (only for devices that support the function)
- E Tag data* (current track title/artist name/album title) if it is recorded (only for devices that support the function)

* "No Name" appears when the Tag data is not recorded or when the device does not support the function.

- To connect a new device, 🔍 30.
- To select the playback mode, 🔍 26.

Listening to the iPod/iPhone devices

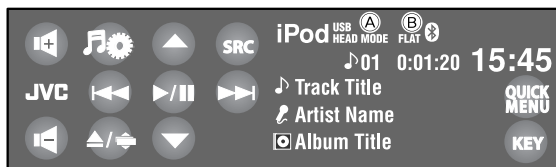
You can connect the iPod/iPhone using the following cable or adapter:

To	Cable/adapter	To operate
Listen to the music	USB 2.0 cable (accessory of the iPod/iPhone) to the USB cable from the rear of the unit.	See "When connected with the USB cable" below.
	Interface Adapter for iPod, KS-PD100 (not supplied) to the CD changer jack on the rear of the unit.	See "When connected with the interface adapter" (Q 52).
Watch the video	USB Audio and Video cable for iPod/iPhone, KS-U30 (not supplied) to the USB cable from the rear of the unit.*1	See "When connected with the USB cable" below.

• When watching the video on the external monitor, connect a monitor compatible with both NTSC and PAL.

When connected with the USB cable

The operations explained below are under "HEAD MODE."



• The Artwork of the song is shown if the song has an Artwork data. (Q 16)

1 Touch [SRC], then select "iPod".

Playback starts automatically.

- When you connect the iPod/iPhone to the USB terminal, "iPod USB" is selected as the source and playback starts automatically.
- To change the controlling unit, touch [QUICK MENU] then .

- **HEAD MODE:** Controls through this unit.
- **iPod MODE*1:** Controls through the connected iPod/iPhone.

2 Touch [◀◀] or [▶▶] to select a track/video.

- You cannot resume playback for video sources.

[▶/||]: Starts playback/pauses.

[▲/▼]:

- Moves to the previous/next item of a category.*2
- Enters <Search Mode> menu. (Hold) (Q 28)

[◀◀/▶▶]:

- Reverse/forward skip*3
- Reverse /forward search (Hold)

(A) The controlling unit for playback (Q 16)

(B) Sound mode

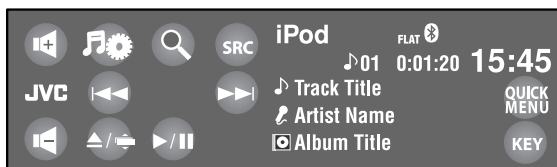
*1 Make sure <iPod(Off)> is selected for <AV Input> when using KS-U30 to connect. (Q 19, 62)

*2 [▲/▼] may not function depending on how you select the current track/video.

*3 [◀◀/▶▶] functions otherwise under "iPod MODE."

- To select track/video from <Search Mode>, (Q 28).
- To select the playback mode, (Q 26).
- To change the play speed of the audiobooks, (Q 26).
- You can also change the controlling unit in <iPod Control>. (Q 16)

When connected with the interface adapter



Preparation:

Make sure <iPod> is selected for <External Input>.

(🔍 19)

1 Touch [SRC], then select “iPod.”

Playback starts automatically.

2 Touch [⏮] or [⏭] to select a track.

[🔍]: Enters player's menu.

[▶/⏸]: Starts playback/pauses.

[⏮/⏭]: • Reverse/forward skip
• Reverse /forward search (Hold)

■ Selecting a track from the player's menu

1 Touch [🔍] to enter the player's menu.

The SEARCH indicator lights up.

- This mode will be canceled if no operations are done for about 5 seconds.

2 Touch [⏮] or [⏭] to select the desired item.

- Skips 10 items at a time if there are more than 10 items. (Hold)

Playlists ↔ Artists ↔ Albums ↔
Songs ↔ Genres ↔ Composers ↔
(back to the beginning)

3 Touch [▶/⏸] to confirm the selection.

4 Repeat steps 2 and 3 to select a track.

- When a track is selected finally, playback starts.
- To return to the previous menu, touch [🔍].

To select the playback mode, 🔍 26.

Listening to the CD changer

It is recommended to use a JVC MP3-compatible CD changer with your unit.

- You can play only CDs (CD-DA) and MP3 discs.

Preparation:

Make sure <Changer> is selected for <External Input>. (🔍 19)

Ex.: While playing an MP3 disc



- 1 Touch [SRC], then select "CD-CH."
- 2 Touch [🎵⚙️].
- 3 Touch [List].
- 4 Select a disc to start playing.

- (A) Disc no.
- (B) Sound mode
- (C) Folder no./Track no./Playing time
- (D) Current folder name/current file name, or tag data (current track title/artist name/album title) if it is recorded

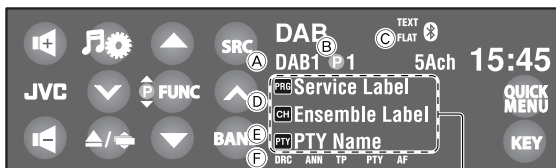
- [◀◀ / ▶▶]:
- Reverse/forward skip
 - Reverse /forward search (Hold)

(MP3 only)

- [▲ / ▼]:
- Selects folder.
 - Displays Disc List. (Hold)

- To select the playback mode, 🔍 26.
- To select an MP3 track from the Folder/Track List, 🔍 27.

Listening to the DAB tuner



Touch to display DLS.

- 1 Touch [SRC], then select "DAB."
- 2 Touch [BAND].
→ DAB1 → DAB2 → DAB3
- 3 Touch [▼] or [▲] to search for an ensemble—Auto Search.
 - Manual Search: Hold either [▼] or [▲] until "Manual Search" appears on the screen, then touch it repeatedly.
- 4 Touch [FUNC] to select [PRG], then touch [▲] or [▼] to select a service (either primary or secondary) to listen to.

[FUNC]: Changes items to select with [▲ / ▼].

- [PRG] : Services
- [P] : Preset services (🔍 27)

- A Band
- B Preset number
- C Sound mode
- D Service label/Ensemble label*1
- E PTY code
- F DAB indicators*2/Standby Reception indicators



*1 If no signal is received, "No DAB Signal" appears.

*2 While tuning in a service with DLS (Dynamic Label Segment), the TEXT indicator lights up.

- You can also display DLS by pressing DISP button on the remote controller.
- To improve your listening when surrounding sounds are noisy, try to adjust <D. Range Control>. (🔍 25)
- To activate/deactivate TA/PTY Standby Reception, 🔍 35. (Operations are exactly the same as the ones for FM Radio Data System stations.)
- To search for your favorite programmes, 🔍 34.

■ Activating/deactivating Announcement Standby Reception

Announcement Standby Reception allows the unit to switch temporarily to your favorite service (announcement type).

Announcement Standby Reception	Indicator
To activate, touch [QUICK MENU], then  .	ANN
The unit will temporarily switch to your favorite service from any source other than FM/AM.	Lights up
Not yet activated. Tune in to another service providing the related signals.	Flashes
To deactivate, touch [QUICK MENU], then  .	Goes off

To change the announcement type for Announcement Standby Reception,  25.

■ Tracing the same programme—Alternative Frequency Reception (DAB AF)

• While receiving a DAB service:

When driving in an area where a service cannot be received, this unit automatically tunes in to another ensemble or FM Radio Data System station broadcasting the same programme.

• While receiving an FM Radio Data System station:

When driving in an area where a DAB service is broadcasting the same programme as the FM Radio Data System station, this unit automatically tunes in to the DAB service.

When shipped from the factory, Alternative Frequency Reception is activated.

To deactivate the Alternative Frequency Reception, select <Off> for <DAB AF>. ( 19)

Using other external components

AV-INPUT

You can connect an external component to the LINE IN/VIDEO IN plugs.

- When watching the video on the external monitor, connect a monitor compatible with both NTSC and PAL.



- 1 Touch [SRC], then select “AV-IN.”
- 2 Turn on the connected component and start playing the source.

- A Sound mode
- B Assigned title (👁 26)

While watching the playback picture:

If no operation is done for about 10 seconds, the operation buttons disappear. (👁 20)

Navigation screen

You can also connect a Navigation System to the VIDEO IN plug so that you can watch the navigation screen. It is always displayed regardless of the selected source.

Preparation:

Make sure <Navigation> is selected for <AV Input>. (👁 19)

- The aspect ratio of the navigation screen is fixed to <16:9 Full> regardless of the <Aspect> setting. (👁 15)

To display another screen

Using Dual Display, the navigation screen and playback picture can be displayed at the same time.

Select <On> for <Dual Display> (👁 15), then play back a disc. (👁 43)

When <Navigation> is selected for <AV Input> (👁 19)

- You can use the source “AV-IN” for listening to an audio source connected to the LINE IN plugs.

EXT-INPUT

You can connect an external component to the CD changer jack on the rear using the Line Input Adapter, KS-U57 (not supplied) or AUX Input Adapter, KS-U58 (not supplied).



(A) Sound mode

(B) Assigned title (🔍 26)

Preparation:

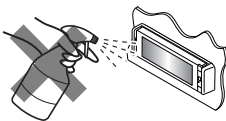
Make sure <External> is selected for <External Input>. (🔍 19)

- 1 Touch [SRC], then select "EXT-IN."
- 2 Turn on the connected component and start playing the source.

Maintenance

Caution on cleaning the unit

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

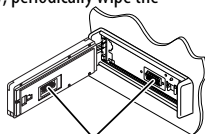


Recommended cleaning method:

Gently wipe the panel with a soft, dry cloth.

How to clean the connector

Frequent detachment will deteriorate the connectors. To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.



Connectors

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

A dirty disc 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, benzene, 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.

Do not use the following discs:

Single CD (8 cm disc)



Warped disc



Sticker and sticker residue



Stick-on label



Unusual shape



C-thru Disc (semi-transparent disc)



Transparent or semi-transparent parts on its recording area



More about this unit

Tuner (FM only)

Storing stations in memory

- When SSM is over, received stations are preset in no. 1 (lowest frequency) to no. 6 (highest frequency).

Disc

General

- In this manual, words “track” and “file” are interchangeably used.
- This unit can only play back audio CD (CD-DA) files if different type of audio files (MP3/WMA/WAV/AAC) are recorded on the same disc.
- This unit can display only one-byte characters. No other characters can be correctly displayed.

Inserting a disc

- When a disc is inserted upside down or has no playable files, “Cannot play this disc Check the disc” appears on the screen. Eject the disc.

Ejecting a disc

- If “No Disc” appears after removing a disc, insert a disc or select another playback source.
- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust.

Playing Recordable/Rewritable discs

- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- Use only “finalized” discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- This unit can recognize a total of 25 characters for file/folder names.
- Some discs or files may not be played back due to their characteristics or recording conditions.

Playing DVD-VR

- When selecting an item from the Playlist, the item is automatically played back repeatedly. To change to another item, select it from the Playlist.
- For details about DVD-VR format and playlist, refer to the instructions supplied with the recording equipment.

Original Program/Playlist screen

Original Program

No	Date	Ch	Time	Title
1	25/12/08	4ch	19:00	JVC DVD World 2008
2	17/01/09	8ch	10:30	
3	22/01/09	8ch	17:00	Music Festival
4	26/01/09	L-1	13:19	children 001
5	20/02/09	4ch	22:00	
6	25/02/09	L-1	8:23	children 002

Playlist

No	Date	Chap	Length	Title
1	25/01/09	1	1:03:16	My JVC World
2	17/02/09	5	1:35:25	
3	20/02/09	3	0:10:23	Favorite music
4	25/02/09	1	0:07:19	children001-002

- Original Program/Playlist number
- Recording date
- Recording source (TV station, the input terminal of the recording equipment, etc.)
- Start time of recording
- Title of the program/playlist*
- Highlight bar (current selection)
- Creating date of playlist
- Total number of chapters included in the playlist
- Playback time

* The title of the original program or playlist may not be displayed depending on the recording equipment.

■ File playback

Playing DivX files

- This unit can play back DivX files with the extension code `<.divx>`, `<.div>`, or `<.avi>` (regardless of the letter case—upper/lower).
- Audio stream 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>`, `<.mpeg>`, or `<.mod>*`.
- * `<.mod>` is an extension code used for the MPEG2 files recorded by JVC Everio camcorders. The MPEG2 files with the `<.mod>` extension code cannot be played back when stored on a USB mass storage class device.
- 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.

Playing JPEG files

- This unit can play back JPEG files with the extension code `<.jpg>`, or `<.jpeg>`.
- This unit can play back JPEG files that are at 32 x 32 to 8 192 x 7 680 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 MP3/WMA/WAV/AAC files

- This unit can play back files with the extension code `<.mp3>`, `<.wma>`, `<.wav>`, or `<.m4a>` (regardless of the letter case—upper/lower).
- This unit can play back the files meeting the conditions below:
 - Bit rate:
 - MP3/WMA: 32 kbps — 320 kbps
 - AAC: 16 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG2)
 - 48 kHz, 44.1 kHz, 32 kHz, 22.05 kHz (for WMA)
 - 44.1 kHz (for WAV)
 - 48 kHz, 44.1 kHz (for AAC)
- This unit can show ID3 Tag Version 1.0/1.1/2.2/3/2.4 (for MP3).
- This unit can also show WAV/WMA 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 files copy-protected with DRM.
 - AAC files encoded by using any other application than iTunes.
 - AAC files copy-protected with FairPlay (except those stored on an iPod/iPhone).
 - Files which have the data such as AIFF, ATRAC3, etc.

Enjoying surround sounds

- If <Surround> is set to <On>, “MULTI” surround playback automatically starts for multi-channel encoded discs regardless of the <Surround Mode> setting.
- You cannot activate surround for MPEG multi-channel DVD Video, DivX 2-channel and MPEG 2-channel sources. If <Surround> is set to <On>, stereo sounds are emitted only through the front speakers. “FRONT 2ch” appears on the source information screen.
- When “FIX” appears on the source information screen, no sound comes out of the subwoofer.
- When <Auto> is selected, downsampling is performed for DVD Video (LPCM only) and DVD-VR (LPCM only).

USB

- If “No USB Device” appears after removing a device, reattach a device or select another playback source.
- When the USB device has no playable files, or has not been formatted correctly, “Cannot play this device Check the device” appears on the screen.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 500 mA.
- While playing from a USB device, the playback order may differ from other players.
- This unit may be unable to play back some USB devices or some files due to their characteristics or recording conditions.
- 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.
- When connecting a USB device, refer also to its instructions.
- Connect only one USB device to the unit at a time. Do not use a USB hub.
- This unit may not recognize a memory card inserted into a USB card reader.
- When connecting with a USB cable, use the USB 2.0 cable.
- This unit may not play back files in a USB device properly when using a USB extension cord.
- This unit cannot assure proper functions or supply power to all types of the devices.
- This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
- This unit can recognize a total of 25 characters for file/folder names.
- For MPEG1/MPEG2 files: The maximum bit rate for video signals (average) is 2 Mbps.


Bluetooth operations (KD-AVX77 only)

General

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

Warning messages for Bluetooth operations

• Connection Error:

The device is registered but the connection has failed. Use **<Phone Connect>** or **<Audio Connect>** to connect the device again.  30

• Error:

Try the operation again. If "Error" appears again, check if the device supports the function you have tried.

• 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).

Icons for phone types

- These icons indicate the phone type set on the device.



: Cellular phone



: Household phone



: Office



: General



: Other than above

iPod/iPhone operations

- You can control the following types of iPod/iPhone:


(A) Connected with the USB cable:

- iPod with video (5th Generation)*1, *2, *3
- iPod classic*1, *2
- iPod nano *2, *3
- iPod nano (2nd Generation) *2
- iPod nano (3rd Generation)*1, *2
- iPod nano (4th Generation)*1, *2
- iPod touch*1, *2
- iPod touch(2nd Generation)*1, *2
- iPhone/iPhone 3G*1, *2

(B) Connected with the interface adapter:

- iPod with Click Wheel (4th Generation)
- iPod mini
- iPod photo
- iPod with video (5th Generation)
- iPod classic
- iPod nano
- iPod nano (2nd Generation)
- iPod nano (3rd Generation)
- iPod nano (4th Generation)*4

*1 To watch the video with its audio, connect the iPod/iPhone using USB Audio and Video cable (KS-U30, not supplied).

*2 "iPod MODE" is available,  51.

*3 To listen to the sound in "iPod MODE," connect the iPod/iPhone using USB Audio and Video cable (KS-U30, not supplied).

*4 It is not possible to charge the battery through this unit.

- If the iPod/iPhone does not play correctly, update your iPod/iPhone software to the latest version. For details about updating your iPod/iPhone, visit <http://www.apple.com>.
- When you turn on this unit, the iPod/iPhone is charged through the unit.
- The text information may not be displayed correctly.
- The text information scrolls on the monitor. This unit can display up to 40 characters when using the interface adapter and up to 128 characters when using the USB 2.0 cable or USB Audio and Video cable.

Notice:

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.co.jp/english/car/>> (English website only)

For the USB connection:

When <Artwork> is set to <On>:

Do not press any buttons during the first 5 seconds or more of playing back any track containing an Artwork*. It takes 5 seconds or more to display an Artwork and no operations are available while loading it.

* The picture displayed on the screen of the iPod/iPhone while playing back a track

JVC bears no responsibility for any loss of data in an iPod/iPhone and USB mass storage class device while using this unit.

CD changer

- If you select a folder, which does not include any music files, on the list (📷 28), you will hear a beep. Select another folder including music files.

DAB tuner

- Only the primary DAB service can be preset even when you store a secondary service.

Menu settings

- If you change the <Amplifier Gain> setting from <High Power> to <Low Power> while the volume level is set higher than "30," the unit automatically changes the volume level to "30."
- After you change any of <Menu Language/Audio Language/Subtitle> settings, turn off then on the power, and re-insert the disc (or insert another disc) so that your setting takes effect.
- When you select <16:9> for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.
- Even if <4:3 Pan Scan> is selected, the screen size may become <4:3 Letterbox> for some discs.

Characters you can enter for titles

In addition to the roman alphabet (A – Z, a – z), you can use the following characters to assign titles. (📷 26)

- When <Русский> is selected for <Language>. (📷 15)

Upper and lower cases

А	Б	В	Г	Д	Е	Ж	З	И	Й	К	Л	М	Н
О	П	Р	С	Т	У	Ф	Х	Ц	Ч	Ш	Щ	Ъ	Ы
Ь	Э	Ю	Я	Ё	space								

а	б	в	г	д	е	ж	з	и	й	к	л	м	н
о	п	р	с	т	у	ф	х	ц	ч	ш	щ	ъ	ы
ь	э	ю	я	ё	space								

Numbers and symbols

0	1	2	3	4	5	6	7	8	9	!	"	#	\$
%	&	'	()	*	+	,	-	.	/	:	;	<
=	>	?	@	_	`	¡	¿	£	€	α	space		

- When any language other than <Русский> is selected for <Language>. (📷 15)

Upper and lower cases

Á	À	Â	Ã	Ä	Å	Æ	Ç	Ć	Č	É	Ê	Ë	
È	Ĝ	Ĥ	İ	Í	Ī	Ñ	Ó	Ô	Õ	Ö	Ø	Ř	
Ŕ	Š	Ś	Ş	Ú	Û	Ü	Ý	Ž	Ẓ	Ẕ	ẖ	ẘ	
Ɖ	ƒ	Ł	ł	ı	ı	ı	ı	ı	ı	ı	ı	ı	ı

á	à	â	ã	ä	å	æ	ç	ć	č	é	ê	ë	
è	é	ğ	ı	í	î	ï	ñ	ń	ó	ô	õ	ö	
ø	ő	ŕ	ś	ş	ú	û	ü	ý	ž	ẓ	ẕ	ẘ	
Ƴ	ƴ	Ẓ	Ẕ	ẖ	ẘ	ı	ı	ı	ı	ı	ı	ı	ı

Numbers and symbols

0	1	2	3	4	5	6	7	8	9	!	"	#	\$
%	&	'	()	*	+	,	-	.	/	:	;	<
=	>	?	@	_	`	¡	¿	£	€	α	space		

■ Language codes (for DVD/DivX language selection)

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

About sounds reproduced through the rear terminals

- Speaker out/analog discrete output—LINE OUT (FRONT/REAR)/CENTER OUT/SUBWOOFER OUT: Multi-channel signals are emitted for a multi-channel encoded software. (When Dual Zone is activated, the same signal emitted through 2nd AUDIO OUT plugs are emitted for the main source “DISC.”)
 - 2nd AUDIO OUT: 2-channel signal is emitted when Dual Zone is activated. When playing a multi-channel encoded disc, multi-channel signals are downmixed.
-
- Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, and the double-D symbol are trademarks of Dolby Laboratories.
 - “DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.
 - DivX® is a registered trademark of DivX, Inc., and is used under license.
 - Plays DivX® video
 - ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified or DivX Ultra Certified device that plays DivX video.
 - ABOUT DIVX VIDEO-ON-DEMAND: This DivX® Certified device must be registered in order to play DivX Video-on-Demand (VOD) content. First generate the DivX VOD registration code for your device and submit it during the registration process. [Important: DivX VOD content is protected by a DivX DRM (Digital Rights Management) system that restricts playback to registered DivX Certified devices. If you try to play DivX VOD content not authorized for your device, the message “Authorization Error” will be displayed and your content will not play.] Learn more at www.divx.com/vod.
 - Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
 - The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Victor Company of Japan, Limited (JVC) is under license. Other trademarks and trade names are those of their respective owners.
 - “Made for iPod” means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
 - “Works with iPhone” means that an electronic accessory has been designed to connect specifically to iPhone and has been certified by the developer to meet Apple performance standards.
 - Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
 - iPod and iTunes are trademarks of Apple Inc., registered in the U.S. and other countries.
 - iPhone is a trademark of Apple Inc.
 - This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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).
- Messages (enclosed in “”) in the tables below are shown in the language selected on <Language>. (🔍 15)
Messages described here are in the language of this manual.

	Symptom	Remedy/Cause
General	<ul style="list-style-type: none"> • No sound comes out of the speakers. 	<ul style="list-style-type: none"> • Adjust the volume to the optimum level. • Check the cords and connections. • DTS sound cannot be reproduced through any terminals (Speaker out/LINE OUT).
	<ul style="list-style-type: none"> • No sound comes out of the center speaker. 	<ul style="list-style-type: none"> • Center speaker is not activated. (🔍 17) Once you have reset the unit, make sure to activate the speaker again. • Center speaker is used only for surround playback. No sound comes out for stereo playback.
	<ul style="list-style-type: none"> • The screen is not clear and legible. 	Sunshine from the windshield may cause this symptom. Adjust <Bright>. (🔍 14)
	<ul style="list-style-type: none"> • “Mecha Error Push Reset” appears on the screen, and the panel does not move. 	Reset the unit. (🔍 3)
	<ul style="list-style-type: none"> • “No Signal” appears. 	<ul style="list-style-type: none"> • Change the source. • Start the playback on the external component connected to VIDEO IN plug. • Check the cords and connections. • Signal input is too weak.
	<ul style="list-style-type: none"> • ⏻/ATT button on the monitor panel does not work. 	When the monitor panel is open, the button does not function.
	<ul style="list-style-type: none"> • The unit does not work at all. 	Reset the unit. (🔍 3)
	<ul style="list-style-type: none"> • The remote controller does not work. 	Deactivate Dual Zone. (🔍 43) (While Dual Zone is activated, the remote controller only functions for operating the DVD/CD player.)
	<ul style="list-style-type: none"> • The touch panel does not respond properly. • <Monitor/Sensor> does not work properly. 	<ul style="list-style-type: none"> • Keep your hands and the touch panel clean and dry. • Eliminate static electricity and do not place conductors or any materials generating static electricity near the unit. • Leave the unit until the temperature becomes stable in the car. • A rubber mat on the floor may cause this symptom. In this case, do not use the rubber mat.

	Symptom	Remedy/Cause
Tuner	• SSM automatic presetting does not work.	Store stations manually. (📺 27)
	• Static noise while listening to the radio.	Connect the antenna firmly.
Disc in general	• Disc can be neither recognized nor played back.	Eject the disc forcibly. (📺 36)
	• Disc cannot be ejected.	Unlock the disc. (📺 36)
	• Recordable/Rewritable discs cannot be played back. • Tracks on the Recordable/Rewritable discs cannot be skipped.	<ul style="list-style-type: none"> • Insert a finalized disc. • Finalize the discs with the component which you used for recording.
	• Playback does not start.	<ul style="list-style-type: none"> • Insert the disc correctly again. • The format of files is not supported by the unit.
	• The playback picture is not clear and legible.	Adjust items in <Picture Adjust> menu. (📺 14)
	• Sound and pictures are sometimes interrupted or distorted.	<ul style="list-style-type: none"> • Stop playback while driving on rough roads. • Change the disc.
	• No playback picture is shown and "Parking Brake" appears on the screen, even when the parking brake is engaged.	Parking brake lead is not connected properly. See Installation/Connection Manual.
	• No picture appears on the external monitor.	<ul style="list-style-type: none"> • Connect the video cord correctly. • Select the correct input on the external monitor.
	• "Eject Error" or "Loading Error" appears on the screen.	<ul style="list-style-type: none"> • Change the source. • Change the disc.
	• "Region code error" appears on the screen when you insert a DVD Video.	Region code is not correct. (📺 4)

	Symptom	Remedy/Cause
DivX/MPEG1/MPEG2/MP3/WMA/WAV/AAC	• Disc cannot be played back.	<ul style="list-style-type: none"> • Change the disc. • Record the tracks using a compliant application on the appropriate discs. (📁 4) • Add appropriate extension codes to the file names.
	• Noise is generated.	The track played back is not a playable file format. Skip to another file.
	• Tracks are not played back as you have intended them to play.	Playback order may differ from the one played back using other players.
	• Elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded.
	• “Not Support” appears on the screen and track skips.	The track is unplayable.
USB	• Noise is generated.	The track played back is not a playable file format. Skip to another file.
	• Tracks cannot play back as you have intended them to play.	Playback order may differ from the one played back using other players.
	• “Now Reading...” keeps flashing on the screen.	<ul style="list-style-type: none"> • Readout time varies depending on the USB device. • Do not use too many hierarchy and folders. • Turn off the power and on again.
	• Correct characters are not displayed (e.g. album name).	For available characters, 📁 63.
	• While playing a track, sound is sometimes interrupted.	The tracks are not properly copied into the USB device. Copy tracks again, and try again.
Bluetooth (KD-AVX77 only)	• Bluetooth device does not detect the unit.	<ul style="list-style-type: none"> • Search from the Bluetooth device again. • Reset the unit. While “Open...” is shown on the screen, search from the Bluetooth device again.
	• The unit does not make pairing with the Bluetooth device.	Enter the same PIN code for both the unit and target device. If the PIN code of the device is not indicated on its instructions, try “0000” or “1234.”
	• Echo or noise occurs.	Adjust the microphone position.

	Symptom	Remedy/Cause
Bluetooth (KD-AVX77 only)	<ul style="list-style-type: none"> Phone sound quality is poor. 	<ul style="list-style-type: none"> Reduce the distance between the unit and the Bluetooth cellular phone. Move the car to place where you can get a better signal reception.
	<ul style="list-style-type: none"> The sound is interrupted or skipped while using a Bluetooth audio player. 	<ul style="list-style-type: none"> 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.
	<ul style="list-style-type: none"> The connected audio player cannot be controlled. 	Check whether the connected audio player supports AVRCP (Audio Video Remote Control Profile).
	<ul style="list-style-type: none"> The unit does not response when you tried to copy the phone book to the unit. 	You may have tried to copy the same entries (as stored) to the unit.
	<ul style="list-style-type: none"> "No Audio Device" appears on the screen. 	Connect this unit and the Bluetooth audio player correctly.
	<ul style="list-style-type: none"> "No Voice Device" appears on the screen. 	The connected cellular phone does not have the voice recognition system.
iPod/iPhone	<ul style="list-style-type: none"> The iPod/iPhone does not turn on or does not work. 	<ul style="list-style-type: none"> Check the connecting cable and its connection. Update the firmware version. Charge the battery of the iPod/iPhone. Check whether "HEAD MODE" or "iPod MODE" is correctly selected. (📖 16, 51) Reset the iPod/iPhone.
	<ul style="list-style-type: none"> Sound is distorted. 	Deactivate the equalizer either on this unit or the iPod/iPhone.
	<ul style="list-style-type: none"> Playback stops. 	The headphones are disconnected during playback. Restart playback.
	<ul style="list-style-type: none"> "Cannot play this device Check the device" appears on the screen. 	No tracks are stored. Import tracks to the iPod/iPhone.
	<ul style="list-style-type: none"> No operations are available when playing back a track containing Artwork. 	Operate the unit after the Artwork is loaded. (📖 16, 63)
	<ul style="list-style-type: none"> "Restricted Device" appears on the screen. 	Check whether the connected iPod/iPhone is compatible with this unit. (📖 62)

Continued on the next page

		Symptom	Remedy/Cause
iPod	Only when connecting with the interface adapter	• "Disconnect" appears on the screen.	Check the connection.
		• "Reset01" – "Reset07" appears on the screen.	Disconnect the adapter from both this unit and iPod. Then, connect them again.
		• "Reset08" appears on the screen.	Check the connection between the adapter and this unit.
		• The control of iPod does not work after disconnecting from this unit.	Reset the iPod.
CD changer		• "No Disc" appears on the screen.	Insert a disc into the magazine.
		• "No Magazine" appears on the screen.	Insert the magazine.
		• "Cannot play this disc Check the disc" appears on the screen.	Current disc does not include playable files. Replace the disc with one including playable files.
		• "Reset08" appears on the screen.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
		• "Reset01" – "Reset07" appears on the screen.	Press the reset button of the CD changer.
		• The CD changer does not work at all.	Reset the unit. (🔍 3)
DAB tuner		• "No DAB Signal" appears on the screen.	Move to an area with stronger signals.
		• "Reset 08" appears on the screen.	Connect this unit and the DAB tuner correctly, then reset the unit. (🔍 3)
		• The DAB tuner does not work at all.	Connect this unit and the DAB tuner correctly, then reset the unit. (🔍 3)
		• "Antenna Power NG" appears on the screen.	Check the cords and connections.
AV-IN		• No picture appears on the screen.	<ul style="list-style-type: none"> • Turn on the video component if it is not on. • Connect the video component correctly.
		• Playback picture is not clear and legible.	Adjust items in <Picture Adjust> menu. (🔍 14)

Specifications

AMPLIFIER	Maximum Power Output	Front/Rear	50 W per channel	
	Continuous Power Output (RMS)	Front/Rear	20 W per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion	
	Load Impedance	4 Ω (4 Ω to 8 Ω allowance)		
	Equalizer Control Range	Frequencies	60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 15 kHz	
		Level	± 10 dB	
	Signal-to-Noise Ratio	70 dB		
	Audio Output Level LINE OUT (FRONT, REAR), CENTER OUT, SUBWOOFER OUT	Line-Out Level/Impedance	5 V/20 k Ω load (full scale)	
		Output Impedance	1 k Ω	
	Color System	NTSC/PAL*		
	Video Output (composite)	1 V _p -p/75 Ω		
	Other Terminals	Input	LINE IN, VIDEO IN, USB input, Antenna input	
Output		2nd AUDIO OUT		
Others		CD changer, OE REMOTE, MIC IN		
FM/AM TUNER	Frequency Range	FM	87.5 MHz to 108.0 MHz	
		AM	(MW) 522 kHz to 1 620 kHz (LW) 144 kHz to 279 kHz	
	FM Tuner	Usable Sensitivity	9.3 dBf (0.8 μ V/75 Ω)	
		50 dB Quieting Sensitivity	16.3 dBf (1.8 μ V/75 Ω)	
		Alternate Channel Selectivity (400 kHz)	65 dB	
		Frequency Response	40 Hz to 15 000 Hz	
		Stereo Separation	40 dB	
	MW Tuner	Sensitivity/Selectivity	20 μ V/40 dB	
LW Tuner	Sensitivity	50 μ V		
DVD/CD	Signal Detection System	Non-contact optical pickup (semiconductor laser)		
	Frequency Response	DVD, fs=48 kHz	16 Hz to 22 000 Hz	
		DVD, fs=96 kHz	16 Hz to 44 000 Hz	
		VCD/CD	16 Hz to 20 000 Hz	
	Dynamic Range	93 dB		
	Signal-to-Noise Ratio	95 dB		
Wow and Flutter	Less than measurable limit			

* From the VIDEO OUT plug, normally NTSC signal is emitted. (PAL signals are converted into NTSC.) PAL signal may be emitted without conversion depending on the incoming signal type.

USB	USB Standards	USB 2.0 Full Speed		
	Data Transfer Rate	Full Speed	Maximum 12 Mbps	
		Low Speed	Maximum 1.5 Mbps	
	Compatible Device	Mass storage class		
	Compatible File System	FAT 32/16/12		
Max. Current	DC 5 V --- 500 mA			
BLUETOOTH (KD-AVX77 only)	Version	Bluetooth 1.2 certified		
	Output Power	+4 dBm Max. (Power class 2)		
	Service Area	Within 10 m		
	Profile	HFP (Hands-Free Profile) 1.5 OPP (Object Push Profile) 1.1 A2DP (Advanced Audio Distribution Profile) 1.2 AVRCP (Audio/Video Remote Control Profile) 1.3		
MONITOR	Screen Size	5.4 inch wide liquid crystal display		
	Number of Pixel	576 000 pixels: 800 (horizontal) × 3 (RGB) × 240 (vertical)		
	Drive Method	TFT (Thin Film Transistor) active matrix format		
	Color System	PAL/NTSC		
	Aspect Ratio	3.32:1 (Super wide)		
GENERAL	Power Requirement	Operating Voltage	DC 14.4 V (11 V to 16 V allowance)	
	Grounding System		Negative ground	
	Allowable Storage Temperature		-10°C to +60°C	
	Allowable Operating Temperature		0°C to +40°C	
	Dimensions (W × H × D)	Installation Size (approx.)	182 mm × 52 mm × 160 mm	
		Panel Size (approx.)	188 mm × 58 mm × 12 mm	
	Mass (approx.)		2.2 kg (excluding the accessories)	

Design and specifications are subject to change without notice.

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Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

JVC

