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<http://130.com.ua>



ENGLISH

KD-R981BT / KD-R889BT / KD-R881BT / KD-R784BT / KD-R782BT

CD RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

130.com.ua



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BEFORE USE

IMPORTANT

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

▲ Warning

- Do not operate any function that takes your attention away from safe driving.

▲ Caution

Volume setting:

- Adjust the volume so that you can hear sounds outside the car to prevent accidents.
- Lower the volume before playing digital sources to avoid damaging the speakers by the sudden increase of the output level.

General:

- Avoid using the external device if it might hinder safe driving.
- Make sure all important data has been backed up. We shall bear no responsibility for any loss of recorded data.
- Never put or leave any metallic objects (such as coins or metal tools) inside the unit, to prevent a short circuit.
- If a disc error occurs due to condensation on the laser lens, eject the disc and wait for the moisture to evaporate.

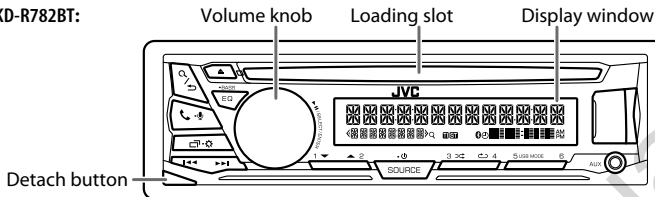
How to read this manual

- Operations are explained mainly using buttons on the faceplate of KD-R981BT and KD-R889BT.
- English indications are used for the purpose of explanation. You can select the display language from the menu. (→ 5)
- [XX] indicates the selected items.
- (→ XX) indicates references are available on the stated page.

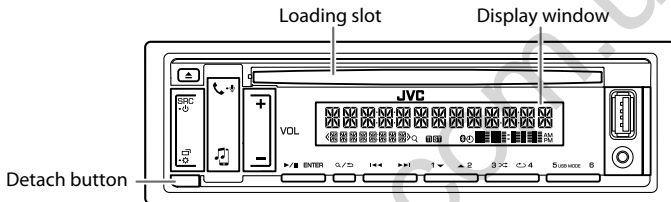
BASICS

Faceplate

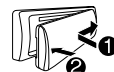
KD-R981BT/KD-R784BT/KD-R782BT:



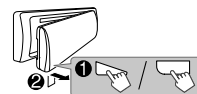
KD-R889BT/KD-R881BT:



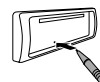
Attach



Detach



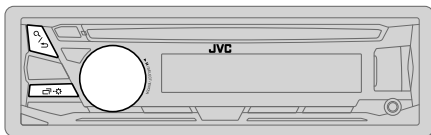
How to reset



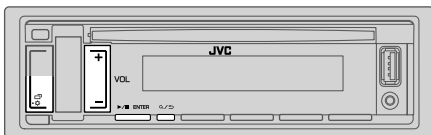
To	On the faceplate	
	KD-R981BT/KD-R784BT/KD-R782BT:	KD-R889BT/KD-R881BT:
Turn on the power	<ul style="list-style-type: none"> Press SOURCE-⏻. Press and hold to turn off the power. 	<ul style="list-style-type: none"> Press SRC-⏻. Press and hold to turn off the power.
Adjust the volume	<ul style="list-style-type: none"> Turn the volume knob, Press the volume knob to mute the sound or pause playback. Press again to cancel. 	<ul style="list-style-type: none"> Press VOL +/−. Press and hold VOL + to continuously increase the volume to 15. Press ▶/ ENTER to mute the sound or pause playback. Press again to cancel.
Select a source	<ul style="list-style-type: none"> Press SOURCE-⏻ repeatedly. Press SOURCE-⏻, then turn the volume knob within 2 seconds. 	<ul style="list-style-type: none"> Press SRC-⏻ repeatedly. Press SRC-⏻, then press VOL +/− within 2 seconds.
Change the display information	Press ☐-⚙ repeatedly. (→ 28)	Press ☐-⚙ repeatedly. (→ 28)

GETTING STARTED

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



1 Cancel the demonstration

KD-R981BT/KD-R784BT/KD-R782BT:

When you turn on the power for the first time (or [FACTORY RESET] is set to [YES]), the display shows: "CANCEL DEMO" → "PRESS" → "VOLUME KNOB"

- 1 Press the volume knob.
[YES] is selected for the initial setup.
- 2 Press the volume knob again.
"DEMO OFF" appears.

KD-R889BT/KD-R881BT:

When you turn on the power for the first time (or [FACTORY RESET] is set to [YES]), the display shows: "CANCEL DEMO" → "PRESS ENTER"

- 1 Press ►/|| ENTER.
[YES] is selected for the initial setup.
- 2 Press ►/|| ENTER again.
"DEMO OFF" appears.

2 Set the clock and date

KD-R981BT/KD-R784BT/KD-R782BT:

- 1 Press and hold ◀-⏏.
- 2 Turn the volume knob to select [CLOCK], then press the knob.

To adjust the clock

- 3 Turn the volume knob to select [CLOCK ADJUST], then press the knob.
- 4 Turn the volume knob to make the settings, then press the knob.
Hour → Minute
- 5 Turn the volume knob to select [CLOCK FORMAT], then press the knob.
- 6 Turn the volume knob to select [12H] or [24H], then press the knob.

To set the date

- 7 Turn the volume knob to select [DATE SET], then press the knob.
- 8 Turn the volume knob to make the settings, then press the knob.
Day → Month → Year
- 9 Press ◀-⏏ to exit.

KD-R889BT/KD-R881BT:

- 1 Press and hold ◀-⏏.
- 2 Press VOL +/− to select [CLOCK], then press ►/|| ENTER.

To adjust the clock

- 3 Press VOL +/− to select [CLOCK ADJUST], then press ►/|| ENTER.
- 4 Press VOL +/− to make the settings, then press ►/|| ENTER.
Hour → Minute
- 5 Press VOL +/− to select [CLOCK FORMAT], then press ►/|| ENTER.
- 6 Press VOL +/− to select [12H] or [24H], then press ►/|| ENTER.

To set the date

- 7 Press VOL +/− to select [DATE SET], then press ►/|| ENTER.
- 8 Press VOL +/− to make the settings, then press ►/|| ENTER.
Day → Month → Year
- 9 Press ◀-⏏ to exit.

To return to the previous setting item, press Q / ↶.

GETTING STARTED

3 Set the basic settings

- 1 Press and hold -.
- 2 KD-R981BT/KD-R784BT/KD-R782BT: Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/–** to select an item (see the following table), then press **▶/■ ENTER**.
- 3 Repeat step 2 until the desired item is selected or activated.
- 4 Press - to exit.

To return to the previous setting item, press / .

Default: **XX**

SYSTEM	
KEY BEEP	(Not applicable when 3-way crossover is selected.) ON: Activates the keypress tone. ; OFF: Deactivates.
SOURCE SELECT	
AM SRC*	ON: Enables AM in source selection. ; OFF: Disables. (→ 6)
BUILT-IN AUX*	ON: Enables AUX in source selection. ; OFF: Disables. (→ 8)
F/W UPDATE	
UPDATE SYSTEM	
F/W UP xxxx	YES: Starts upgrading the firmware. ; NO: Cancels (upgrading is not activated). For details on how to update the firmware, see: < http://www.jvc.net/cs/car/ >.
FACTORY RESET	YES: Resets the settings to default (except the stored station). ; NO: Cancels.

* Not displayed when the corresponding source is selected.

CLOCK

TIME SYNC **ON:** The clock time is automatically set using the Clock Time (CT) data in FM Radio Data System signal. ; **OFF:** Cancels.

CLOCK DISPLAY **ON:** The clock time is shown on the display even when the unit is turned off. ; **OFF:** Cancels.

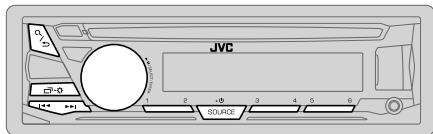
ENGLISH

РУССКИЙ Select the display language for menu and music information if applicable. By default, **ENGLISH** is selected.

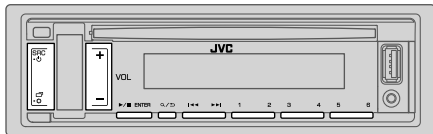
ESPAÑOL

RADIO

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



“ST” lights up when receiving an FM stereo broadcast with sufficient signal strength.

Search for a station

- 1 Press **SOURCE**- \odot (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC**- \odot (for KD-R889BT/KD-R881BT) repeatedly to select FM or AM.
- 2 Press \lll / \ggg to search for a station automatically.
(or)
Press and hold \lll / \ggg until “M” flashes, then press repeatedly to search for a station manually.

Settings in memory

You can store up to 18 stations for FM and 6 stations for AM.

Store a station

While listening to a station...

Press and hold one of the number buttons (1 to 6).

(or)

KD-R981BT/KD-R784BT/KD-R782BT:

- 1 Press and hold the volume knob until “PRESET MODE” flashes.
- 2 Turn the volume knob to select a preset number, then press the knob.

The preset number flashes and “MEMORY” appears.

KD-R889BT/KD-R881BT:

- 1 Press and hold $\blacktriangleright / \blacksquare$ ENTER until “PRESET MODE” flashes.
- 2 Press **VOL** $+$ / $-$ to select a preset number, then press $\blacktriangleright / \blacksquare$ ENTER. The preset number flashes and “MEMORY” appears.

Select a stored station

Press one of the number buttons (1 to 6).

(or)

- 1 Press $\mathcal{R} / \mathcal{D}$.
- 2 KD-R981BT/KD-R784BT/KD-R782BT: Turn the volume knob to select a preset number, then press the knob.

KD-R889BT/KD-R881BT:

Press **VOL** $+$ / $-$ to select a preset number, then press $\blacktriangleright / \blacksquare$ ENTER.

RADIO

Other settings

- 1 Press and hold \square \rightarrow \star .
- 2 **KD-R981BT/KD-R784BT/KD-R782BT:** Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/–** to select an item (see the following table), then press **▶/■ ENTER**.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press \square \rightarrow \star to exit.

To return to the previous setting item, press \square / \rightarrow .

Default: **XX**

TUNER SETTING

RADIO TIMER	Turns on the radio at a specific time regardless of the current source. <ol style="list-style-type: none"> 1 ONCE/DAILY/WEEKLY/OFF: Select how often the timer will be turned on. 2 FM/AM: Select the band. 3 01 to 18 (for FM)/01 to 06 (for AM): Select the preset station. 4 Set the activation day*¹ and time. <p>"\odot" lights up when complete.</p> <p>Radio Timer will not activate for the following cases.</p> <ul style="list-style-type: none"> • The unit is turned off. • [OFF] is selected for [AM SRC] in [SOURCE SELECT] after Radio Timer for AM is selected. (\rightarrow 5)
SSM	SSM 01–06/SSM 07–12/SSM 13–18: Automatically presets up to 18 stations for FM. "SSM" stops flashing when the first 6 stations are stored. Select SSM 07–12/SSM 13–18 to store the following 12 stations.

*¹ Selectable only when **[ONCE]** or **[WEEKLY]** is selected in step 1.

LOCAL SEEK	ON: Searches only FM stations with good reception. ; OFF: Cancels. <ul style="list-style-type: none"> • Settings made are applicable only to the selected source/station. Once you change the source/station, you need to make the settings again.
IF BAND	AUTO: Increases the tuner selectivity to reduce interference noises from adjacent FM stations. (Stereo effect may be lost.) ; WIDE: Subjects to interference noises from adjacent FM stations, but sound quality will not be degraded and the stereo effect will remain.
MONO SET	ON: Improves the FM reception, but the stereo effect will be lost. ; OFF: Cancels.
NEWS SET*²	ON: The unit will temporarily switch to News Programme if available. ; OFF: Cancels.
REGIONAL*²	ON: Switches to another station only in the specific region using the "AF" control. ; OFF: Cancels.
AF SET*²	ON: Automatically searches for another station broadcasting the same program in the same Radio Data System network with better reception when the current reception is poor. ; OFF: Cancels.
TI*²	ON: Allows the unit to temporarily switch to Traffic Information if available ("TI" lights up). ; OFF: Cancels.
PTY SEARCH*²	Select a PTY code (see below). If there is a station broadcasting a program of the same PTY code as you have selected, that station is tuned in.

*² Only for FM source.

PTY code

NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M (music), ROCK M (music), EASY M (music), LIGHT M (music), CLASSICS, OTHER M (music), WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M (music), OLDIES, FOLK M (music), DOCUMENT

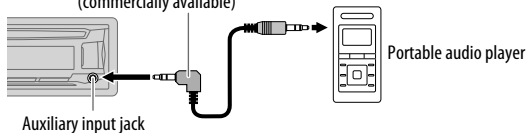
AUX

Use a portable audio player

1 Connect a portable audio player (commercially available).

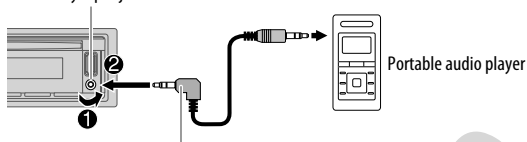
KD-R981BT/KD-R784BT/KD-R782BT:

3.5 mm stereo mini plug with "L" shaped connector
(commercially available)



KD-R889BT/KD-R881BT:

Auxiliary input jack



3.5 mm stereo mini plug with "L" shaped connector
(commercially available)

- 2 Select [ON] for [BUILT-IN AUX] in [SOURCE SELECT]. (→ 5)
- 3 Press **SOURCE** (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC** (for KD-R889BT/KD-R881BT) repeatedly to select AUX.
- 4 Turn on the portable audio player and start playback.



Use a 3-core plug head stereo mini plug for optimum audio output.

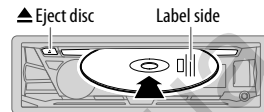
CD/iPod/ANDROID

Start playback

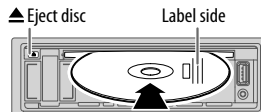
The source changes automatically and playback starts.

CD

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



USB input terminal

KD-R981BT/
KD-R784BT/
KD-R782BT



2

USB

3



(or)

USB input terminal

KD-R889BT/
KD-R881BT



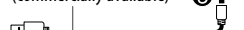
iPod/iPhone

Accessory of the
iPod/iPhone*1



ANDROID*2

Micro USB 2.0 cable*1
(commercially available)

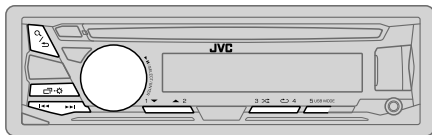


*1 Do not leave the cable inside the car when not using.

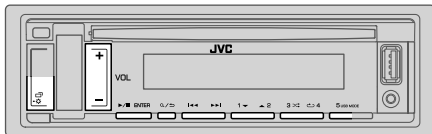
*2 When connecting an Android device, "Press [VIEW] to install JVC MUSIC PLAY APP" is shown. Follow the instructions to install the application. You can also install the latest version of JVC MUSIC PLAY application on your Android device before connecting. For more information, visit <http://www.jvc.net/cs/car/>.

CD/USB/iPod/ANDROID

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



Selectable sources:

KD-R981BT/KD-R889BT/KD-R881BT: CD/USB/iPod USB/ANDROID
KD-R784BT/KD-R782BT: CD/USB/ANDROID

To	On the faceplate
Reverse/ Fast-forward*3	Press and hold 1 ◀◀ / ▶▶.
Select a track/file	Press 1 ◀◀ / ▶▶.
Select a folder*4	Press 2 ▲ / 1 ▼.
Repeat play*5	Press 4 repeatedly. TRACK REPEAT/ALL REPEAT : Audio CD TRACK REPEAT/FOLDER REPEAT/ALL REPEAT : MP3/WMA/AAC/WAV/FLAC file ONE REPEAT/ALL REPEAT/REPEAT OFF : iPod or ANDROID
Random play*5	Press 3 repeatedly. ALL RANDOM/RANDOM OFF : Audio CD FOLDER RANDOM/ALL RANDOM/RANDOM OFF : MP3/WMA/AAC/WAV/FLAC file SONG RANDOM/ALL RANDOM/RANDOM OFF : iPod or ANDROID

*3 For ANDROID: Applicable only when [AUTO MODE] is selected.

*4 For CD: Only for MP3/WMA/AAC files. This does not work for iPod/ANDROID.

*5 For iPod/ANDROID: Applicable only when [HEAD MODE]/[AUTO MODE] is selected.

Select control mode

While in iPod USB source, press **5** **USB MODE** repeatedly.

HEAD MODE: Control iPod from this unit.

IPHONE MODE: Control iPod using the iPod itself. However, you can still play/pause or file skip from this unit.

While in ANDROID source, press **5** **USB MODE** repeatedly.

AUTO MODE: Control Android device from this unit via JVC MUSIC PLAY application installed in the Android device.

AUDIO MODE: Control Android device using the Android device itself via other media player applications installed in the Android device. However, you can still play/pause or file skip from this unit.

Select music drive

While in USB source, press **5** **USB MODE** repeatedly.

Stored songs in the following drive will be played back.

- Selected internal or external memory of a smartphone (Mass Storage Class).
- Selected drive of a multiple drives device.

Settings to use JVC Remote application (for KD-R981BT/KD-R889BT/KD-R881BT)

JVC Remote application is designed to control the JVC car receiver's operations from the iPhone/iPod (via USB input terminal).

Preparation:

Install the latest version of JVC Remote application on your device before connecting. For more information, visit <<http://www.jvc.net/cs/car/>>.

You can make the settings in the same way as connection via Bluetooth. (→ 18)

Select a file from a folder/list

For iPod/ANDROID, applicable only when [HEAD MODE]/[AUTO MODE] is selected.

KD-R981BT/KD-R784BT/KD-R782BT:

- 1 Press \mathcal{Q}/\rightarrow .
- 2 Turn the volume knob to select a folder/list, then press the knob.
- 3 Turn the volume knob to select a file, then press the knob.

Quick search (applicable only for CD, USB and ANDROID source)

If you have many files, you can search through them quickly.

Turn the volume knob quickly to browse through the list quickly.

Alphabet search (applicable only for iPod USB and ANDROID source)

You can search for a file according to the first character.

For iPod USB source

Press $2 \blacktriangle / 1 \blacktriangledown$ or turn the volume knob quickly to select the desired character (A to Z, 0 to 9, OTHERS).

- Select "OTHERS" if the first character is other than A to Z, 0 to 9.

For ANDROID source

- 1 Press $2 \blacktriangle / 1 \blacktriangledown$ to enter character search.
- 2 Turn the volume knob to select the desired character.
 - ^A^ : Upper case (A to Z)
 - _A_ : Lower case (a to z)
 - 0- : Numbers (0 to 9)
 - OTHERS- : Character other than A to Z, 0 to 9
- 3 Press the volume knob to start searching.

KD-R889BT/KD-R881BT:

- 1 Press \mathcal{Q}/\rightarrow .
- 2 Press **VOL +/–** to select a folder/list, then press $\blacktriangleright/\blacksquare$ ENTER.
- 3 Press **VOL +/–** to select a file, then press $\blacktriangleright/\blacksquare$ ENTER.

Quick search (applicable only for CD, USB and ANDROID source)

If you have many files, you can search through them quickly.

Press and hold **VOL +/–** to browse through the list quickly.

Alphabet search (applicable only for iPod USB and ANDROID source)

You can search for a file according to the first character.

For iPod USB source

Press $2 \blacktriangle / 1 \blacktriangledown$ to select the desired character (A to Z, 0 to 9, OTHERS).

- Select "OTHERS" if the first character is other than A to Z, 0 to 9.

For ANDROID source

- 1 Press $2 \blacktriangle / 1 \blacktriangledown$ to enter character search.
- 2 Press $2 \blacktriangle / 1 \blacktriangledown$ to select the desired character.
 - ^A^ : Upper case (A to Z)
 - _A_ : Lower case (a to z)
 - 0- : Numbers (0 to 9)
 - OTHERS- : Character other than A to Z, 0 to 9
- 3 Press $\blacktriangleright/\blacksquare$ ENTER to start searching.

- To return to the previous setting item, press \mathcal{Q}/\rightarrow .
- To cancel, press and hold \mathcal{Q}/\rightarrow .

BLUETOOTH®

BLUETOOTH — Connection

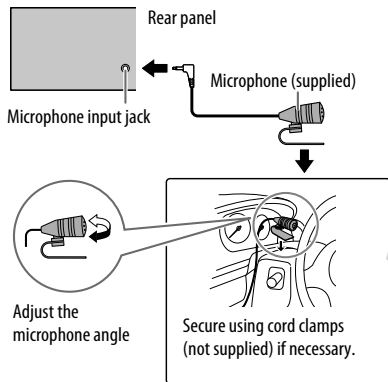
Supported Bluetooth profiles

- Hands-Free Profile (HFP)
- Advanced Audio Distribution Profile (A2DP)
- Audio/Video Remote Control Profile (AVRCP)
- Serial Port Profile (SPP)
- Phonebook Access Profile (PBAP)

Supported Bluetooth codecs

- Sub Band Codec (SBC)
- Advanced Audio Coding (AAC)

Connect the microphone



Pair and connect a Bluetooth device for the first time

- 1 Press **SOURCE** (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC** (for KD-R889BT/KD-R881BT) to turn on the unit.
- 2 Search and select **"KD-R9**BT"/"KD-R8**BT"/"KD-R7**BT"** on the Bluetooth device. "BT PAIRING" flashes on the display.
 - For some Bluetooth devices, you may need to enter the Personal Identification Number (PIN) code immediately after searching.
- 3 Perform (A) or (B) depending on what appears on the display.


For some Bluetooth devices, pairing sequence may vary from the steps described below.

(A) "[Device Name]" → "XXXXXX" → "VOL – YES" → "BACK – NO" (for KD-R981BT/KD-R784BT/KD-R782BT) or "ENTER – YES" → "BACK – NO" (for KD-R889BT/KD-R881BT).
"XXXXXX" is a 6-digit passkey randomly generated during each pairing.

 - 1 Ensure that the passkeys appear on the unit and Bluetooth device are the same.
 - 2 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or ►/|| ENTER (for KD-R889BT/KD-R881BT) to confirm the passkey.
 - 3 Operate the Bluetooth device to confirm the passkey.

(B) "[Device Name]" → "VOL – YES" → "BACK – NO" (for KD-R981BT/KD-R784BT/KD-R782BT) or "ENTER – YES" → "BACK – NO" (for KD-R889BT/KD-R881BT).

 - 1 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or ►/|| ENTER (for KD-R889BT/KD-R881BT) to start pairing.
 - 2
 - If "PAIRING" → "PIN 0000" scrolls on the display, enter the PIN code "0000" into the Bluetooth device.
 - You can change to a desired PIN code before pairing. (→ 16)
 - If only "PAIRING" appears, operate the Bluetooth device to confirm pairing.

"PAIRING COMPLETED" appears when pairing is completed and  will light up when the Bluetooth connection is established.

 - This unit supports Secure Simple Pairing (SSP).
 - Up to five devices can be registered (paired) in total.
 - Once the pairing is completed, the Bluetooth device will remain registered in the unit even if you reset the unit. To delete the paired device, → 16, [DEVICE DELETE].
 - A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time.

However, while in BT AUDIO source, you can connect to five Bluetooth audio devices and switch between these five devices. (→ 17)

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- Some Bluetooth devices may not automatically connect to the unit after pairing. Connect the device to the unit manually.
- Refer to the instruction manual of the Bluetooth device for more information.

Auto Pairing

When you connect the following devices to the USB input terminal, pairing request (via Bluetooth) is automatically activated.

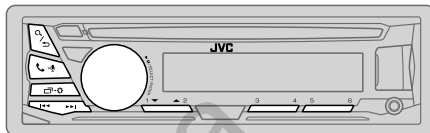
KD-R981BT/KD-R889BT/KD-R881BT:	iPhone/iPod touch/ Android device
KD-R784BT/KD-R782BT:	Android device

Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or **▶/||/ENTER** (for KD-R889BT/KD-R881BT) to pair once you have confirmed the device name.

- Automatic pairing request is activated only if:
- Bluetooth function of the connected device is turned on.
 - [AUTO PAIRING] is set to [ON]. (➔ 16)
 - JVC MUSIC PLAY application is installed on the Android device (➔ 8) and [AUTO MODE] is selected (➔ 9).

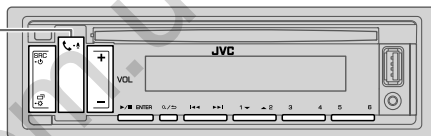
BLUETOOTH — Mobile phone

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:

Symbolic button



Receive a call

When there is an incoming call:

- **KD-R981BT:**
The buttons will blink in the color you have selected in [RING COLOR]. (➔ 14)
- **KD-R889BT/KD-R881BT:**
The symbolic button will blink in the color you have selected in [RING COLOR]. (➔ 14)
- **KD-R784BT/KD-R782BT:**
The buttons will blink in the blinking pattern you have selected in [RING ILLUM]. (➔ 14)
- The unit answers the call automatically if [AUTO ANSWER] is set to a selected time. (➔ 14)

During a call:

- **KD-R981BT:**
The buttons stop blinking and illuminate in the color you have selected in [RING COLOR]. (➔ 14)
- **KD-R889BT/KD-R881BT:**
The symbolic button stop blinking and illuminate in the color you have selected in [RING COLOR]. (➔ 14)
- **KD-R784BT/KD-R782BT:**
The buttons stop blinking.
- If you turn off the unit or detach the faceplate, the Bluetooth connection is disconnected.

Autogoods "130"

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The following operations may differ or not available depending on the connected phone.

To	On the faceplate	
	KD-R981BT/KD-R784BT/KD-R782BT	KD-R889BT/KD-R881BT
First incoming call...		
Answer a call	Press or the volume knob.	Press or /ENTER.
Reject a call	Press and hold or the volume knob.	Press and hold or /ENTER
End a call	Press and hold or the volume knob.	Press and hold or /ENTER
While talking on the first incoming call...		
Answer another incoming call and hold the current call	Press or the volume knob.	Press or /ENTER
Reject another incoming call	Press and hold or the volume knob.	Press and hold or /ENTER.
While having two active calls...		
End current call and activate held call	Press and hold or the volume knob.	Press and hold or /ENTER.
Swap between the current call and held call	Press .	Press .
Adjust the phone volume* ¹ [00] to [35] (Default: [15])	Turn the volume knob during a call.	Press VOL +/– during a call.
Switch between hands-free and private talk modes* ²	Press /↔ during a call.	Press /↔ during a call.

*¹ This adjustment will not affect the volume of the other sources.

*² Operations may vary according to the connected Bluetooth device.

■ Improve the voice quality

While talking on the phone...

- 1 Press and hold .
- 2 KD-R981BT/KD-R784BT/KD-R782BT:
Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT:
Press VOL +/– to select an item (see the following table), then press /ENTER.
- 3 Repeat step 2 until the desired item is selected or activated.
- 4 Press to exit.

To return to the previous setting item, press /↔.

Default: XX

MIC GAIN	LEVEL –10 to LEVEL +10 (LEVEL –04): The sensitivity of the microphone increases as the number increased.
NR LEVEL	LEVEL –05 to LEVEL +05 (LEVEL 00): Adjust the noise reduction level until the least noise is being heard during a phone conversation.
ECHO CANCEL	LEVEL –05 to LEVEL +05 (LEVEL 00): Adjust the echo cancellation delay time until the least echo is being heard during a phone conversation.

Make the settings for receiving a call

- 1 Press **ⓧ** - **📶** to enter Bluetooth mode.
- 2 **KD-R981BT/KD-R784BT/KD-R782BT:**
Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT:
Press **VOL +/–** to select an item (see the following table), then press **▶/■ ENTER**.
- 3 Repeat step 2 until the desired item is selected or activated.

To return to the previous setting item, press **ⓧ/↩**.

Default: **XX**

SETTINGS	
AUTO ANSWER	01 SEC to 30 SEC: The unit answers incoming call automatically in the selected time (in seconds). ; OFF: Cancels.
RING COLOR	KD-R981BT/KD-R889BT/KD-R881BT: COLOR 01 to COLOR 49 (COLOR 08): Selects the illumination color for the buttons or symbolic button as notification when there is an incoming call and during a call. ; OFF: Cancels.
RING ILLUMI	KD-R784BT/KD-R782BT: BLINK 01 to BLINK 05 (BLINK 02): Selects the blinking pattern for the buttons as notification when there is an incoming call. ; OFF: Cancels.

Make a call

You can make a call from the call history, phonebook, or dialing the number. Call by voice is also possible if your mobile phone has the feature.

- 1 Press **ⓧ** - **📶** to enter Bluetooth mode.
“(First device name)” appears.
 - If two Bluetooth phones are connected, press **ⓧ** - **📶** again to switch to another phone.
“(Second device name)” appears.
- 2 **KD-R981BT/KD-R784BT/KD-R782BT:** Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/–** to select an item (see the following table), then press **▶/■ ENTER**.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.

To return to the previous setting item, press **ⓧ/↩**.

RECENT CALL	(Applicable only if the phone supports PBAP.) <ol style="list-style-type: none"> 1 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or VOL +/– (for KD-R889BT/KD-R881BT) to select a name or a phone number. <ul style="list-style-type: none"> • “<” indicates call received, “>” indicates call made, “M” indicates call missed. • “NO HISTORY” appears if there is no recorded call history or call number. 2 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or ▶/■ ENTER (for KD-R889BT/KD-R881BT) to call.
PHONEBOOK	(Applicable only if the phone supports PBAP.) <ol style="list-style-type: none"> 1 Press 2 ▲ / 1 ▼ to select the desired letter (A to Z, 0 to 9, and OTHERS). <ul style="list-style-type: none"> • “OTHERS” appears if the first character is other than A to Z, 0 to 9. KD-R981BT/KD-R784BT/KD-R782BT: <ol style="list-style-type: none"> 2 Turn the volume knob to select a name, then press the knob. 3 Turn the volume knob to select a phone number, then press the knob to call. KD-R889BT/KD-R881BT: <ol style="list-style-type: none"> 2 Press VOL +/– to select a name, then press ▶/■ ENTER. 3 Press VOL +/– to select a phone number, then press ▶/■ ENTER to call. <ul style="list-style-type: none"> • The phonebook of the connected phone is automatically transferred to the unit when pairing. • This unit can display only non-accent letters. (Accent letters such as “Ü” is shown as “U”.)

DIAL NUMBER	<p>KD-R981BT/KD-R784BT/KD-R782BT:</p> <ol style="list-style-type: none"> 1 Turn the volume knob to select a number (0 to 9) or character (*, #, +). 2 Press ◀◀ / ▶▶ to move the entry position. Repeat steps 1 and 2 until you finish entering the phone number. 3 Press the volume knob to call. <p>KD-R889BT/KD-R881BT:</p> <ol style="list-style-type: none"> 1 Press VOL + / - to select a number (0 to 9) or character (*, #, +). 2 Press ◀◀ / ▶▶ to move the entry position. Repeat steps 1 and 2 until you finish entering the phone number. 3 Press ▶ / ■ ENTER to call.
VOICE	Speak the name of the contact you want to call or the voice command to control the phone functions. (➔ Make a call using voice recognition)

■ **Make a call using voice recognition**

- 1 Press and hold **📞 - 📞** to activate the connected phone.
 - 2 Speak the name of the contact you want to call or the voice command to control the phone functions.
- Supported Voice Recognition features vary for each phone. Refer to the instruction manual of the connected phone for details.
 - This unit also supports the intelligent personal assistant function of iPhone.

Settings in memory

■ **Store a contact in memory**

You can store up to 6 contacts into the number buttons (**1** to **6**).

KD-R981BT/KD-R784BT/KD-R782BT:

- 1 Press **📞 - 📞** to enter Bluetooth mode.
- 2 Turn the volume knob to select [RECENT CALL], [PHONEBOOK] or [DIAL NUMBER], then press the knob.
- 3 Turn the volume knob to select a contact or enter a phone number.
If a contact is selected, press the volume knob to show the phone number.
- 4 Press and hold one of the number buttons (**1** to **6**).
"MEMORY P(selected preset number)" appears when the contact is stored.

KD-R889BT/KD-R881BT:

- 1 Press **📞 - 📞** to enter Bluetooth mode.
- 2 Press **VOL + / -** to select [RECENT CALL], [PHONEBOOK] or [DIAL NUMBER], then press **▶ / ■ ENTER**.
- 3 Press **VOL + / -** to select a contact or enter a phone number.
If a contact is selected, press **▶ / ■ ENTER** to show the phone number.
- 4 Press and hold one of the number buttons (**1** to **6**).
"MEMORY P(selected preset number)" appears when the contact is stored.

To erase a contact from the preset memory, select [DIAL NUMBER] in step **2** and store a blank number.

■ **Make a call from memory**

- 1 Press **📞 - 📞** to enter Bluetooth mode.
- 2 Press one of the number buttons (**1** to **6**).
- 3 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or **▶ / ■ ENTER** (for KD-R889BT/KD-R881BT) to call.
"NO PRESET" appears if there is no contact stored.

BLUETOOTH®

Bluetooth mode settings

- 1 Press and hold -.
- 2 **KD-R981BT/KD-R784BT/KD-R782BT:** Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/—** to select an item (see the following table), then press **▶/■ ENTER**.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press - to exit.

To return to the previous setting item, press / .

Default: **XX**

BT MODE	
PHONE SELECT*	Selects the phone or audio device to connect or disconnect. “*” appears in front of the device name when connected.
AUDIO SELECT*	“▷” appears in front of the current playback audio device.
DEVICE DELETE	KD-R981BT/KD-R784BT/KD-R782BT: 1 Turn the volume knob to select a device to delete, then press the knob. 2 Turn the volume knob to select [YES] or [NO], then press the knob. KD-R889BT/KD-R881BT: 1 Press VOL +/— to select a device to delete, then press ▶/■ ENTER . 2 Press VOL +/— to select [YES] or [NO], then press ▶/■ ENTER .
PIN CODE EDIT (0000)	Changes the PIN code (up to 6 digits). 1 Turn the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or press VOL +/— (for KD-R889BT/KD-R881BT) to select a number. 2 Press ◀◀ / ▶▶ to move the entry position. Repeat steps 1 and 2 until you finish entering the PIN code. 3 Press the volume knob (for KD-R981BT/KD-R784BT/KD-R782BT) or ▶/■ ENTER (for KD-R889BT/KD-R881BT) to confirm.
RECONNECT	ON: The unit automatically reconnect when the last connected Bluetooth device is within range. ; OFF: Cancels.

AUTO PAIRING	ON: The unit automatically pair supported Bluetooth device (iPhone/iPod touch/Android device) when it is connected through USB input terminal. Depending on the operating system of the connected device, this function may not work. ; OFF: Cancels.
INITIALIZE	YES: Initializes all the Bluetooth settings (including stored pairing, phonebook, and etc.). ; NO: Cancels.
INFORMATION	MY BT NAME: Displays the unit name (“KD-R9**BT”/“KD-R8**BT”/“KD-R7**BT”). ; MY ADDRESS: Shows address of this unit.

* You can only connect a maximum of two Bluetooth phones and one Bluetooth audio device at any time.

Bluetooth compatibility check mode

You can check the connectivity of the supported profile between the Bluetooth device and the unit.

- Make sure there is no Bluetooth device paired.

- 1 Press and hold - .
“BLUETOOTH” ↔ “CHECK MODE” appears. “SEARCH NOW USING PHONE” → “PIN IS 0000” scrolls on the display.
- 2 Search and select “KD-R9**BT”/“KD-R8**BT”/“KD-R7**BT” on the Bluetooth device within 3 minutes.
- 3 Perform (A), (B) or (C) depending on what appears on the display.
(A) “PAIRING” → “XXXXXX” (6-digit passkey): Ensure that the same passkey appears on the unit and Bluetooth device, then operate the Bluetooth device to confirm the passkey.
(B) “PAIRING” → “PIN IS 0000”: Enter “0000” on the Bluetooth device.
(C) “PAIRING”: Operate the Bluetooth device to confirm pairing.

BLUETOOTH®

After pairing is successful, "PAIRING OK" → "[Device Name]" appears and Bluetooth compatibility check starts. If "CONNECT NOW USING PHONE" appears, operate the Bluetooth device to allow phonebook access to continue. "TESTING" flashes on the display.

The connectivity result flashes on the display.

"PAIRING OK" and/or "HANDS-FREE OK"*1 and/or "AUD.STREAM OK"*2 and/or "PBAP OK"*3 : Compatible

*1 Compatible with Hands-Free Profile (HFP)

*2 Compatible with Advanced Audio Distribution Profile (A2DP)

*3 Compatible with Phonebook Access profile (PBAP)

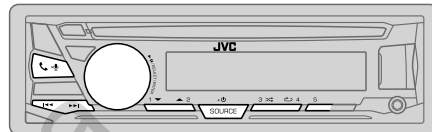
After 30 seconds, "PAIRING DELETED" appears to indicate that pairing has been deleted, and the unit exits check mode.

- To cancel, press and hold **SOURCE**- \odot (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC**- \odot (for KD-R889BT/KD-R881BT) to turn off the power, then turn on the power again.

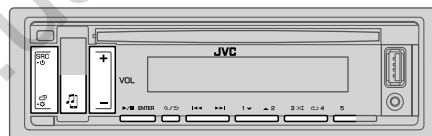
BLUETOOTH — Audio

While in BT AUDIO source, you can connect to five Bluetooth audio devices and switch between these five devices.

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:




Audio player via Bluetooth

- Press **SOURCE**- \odot (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC**- \odot (for KD-R889BT/KD-R881BT) repeatedly to select BT AUDIO.
 - KD-R889BT/KD-R881BT: Pressing \odot enters BT AUDIO directly.
- Operate the Bluetooth audio player to start playback.

To	On the faceplate
Playback/pause	KD-R981BT/KD-R784BT/KD-R782BT: Press the volume knob. KD-R889BT/KD-R881BT: Press ▶/ ENTER .
Select group or folder	Press 2 ▲ / 1 ▼ .
Reverse skip/Forward skip	Press ◀◀ / ▶▶ .
Reverse/Fast-forward	Press and hold ◀◀ / ▶▶ .
Repeat play	Press 4 ↺ repeatedly. TRACK REPEAT, ALL REPEAT, REPEAT OFF

BLUETOOTH®

To	On the faceplate
Random play	Press 3  repeatedly. GROUP RANDOM, ALL RANDOM, RANDOM OFF
Select a file from a folder/list	Refer to "Select a file from a folder/list" on page 10.
Switch between connected Bluetooth audio devices	Press 5 .*

* Pressing the "Play" key on the connected device itself also causes switching of sound output from the device.

Operations and display indications may differ according to their availability on the connected device.

Settings to use JVC Remote application



JVC Remote application is designed to control the JVC car receiver's operations from the following devices.



Preparation:

Install the latest version of JVC Remote application on your device before connecting. For more information, visit <<http://www.jvc.net/cs/car/>>.

KD-R981BT/KD-R889BT/KD-R881BT: iPhone/iPod (via Bluetooth or via USB input terminal) or Android smartphone (via Bluetooth)

KD-R784BT/KD-R782BT: Android smartphone (via Bluetooth)

- Press and hold .
- KD-R981BT/KD-R784BT/KD-R782BT:** Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/–** to select an item (see the following table), then press **▶/|| ENTER**.
- Repeat step 2 until the desired item is selected or activated.
- Press  to exit.

To return to the previous setting item, press  or .

Default: **XX**

REMOTE APP

SELECT	Select the device (IOS or ANDROID) to use the application.
IOS	YES: Selects iPhone/iPod to use the application via Bluetooth or connected via USB input terminal. ; NO: Cancels. If IOS is selected, select iPod BT source (or iPod USB if your iPhone/iPod is connected via USB input terminal) to activate the application. <ul style="list-style-type: none">The connectivity of the application will be interrupted or disconnected if:<ul style="list-style-type: none">You change from iPod BT source to any playback source connected via the USB input terminal.You change from iPod USB source to iPod BT source.
ANDROID	YES: Selects Android smartphone to use the application via Bluetooth. ; NO: Cancels.
ANDROID LIST*	Selects the Android smartphone to use from the list.
STATUS	Shows the status of the selected device. IOS CONNECTED: You are able to use the application using the iPhone/iPod connected via Bluetooth or USB input terminal. IOS NOT CONNECTED: No IOS device is connected to use the application. ANDROID CONNECTED: You are able to use the application using the Android smartphone connected via Bluetooth. ANDROID NOT CONNECTED: No Android device is connected to use the application.

* Displayed only when [ANDROID] of [SELECT] is set to [YES].

Listen to iPhone/iPod via Bluetooth (for KD-R981BT/KD-R889BT/KD-R881BT)

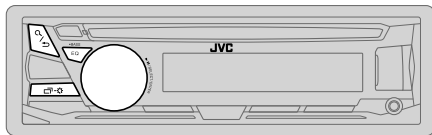
You can listen to the songs on the iPhone/iPod via Bluetooth on this unit.

Press **SOURCE-⏪** (for KD-R981BT) or **SRC-⏪** (for KD-R889BT/KD-R881BT) repeatedly to select iPod BT.

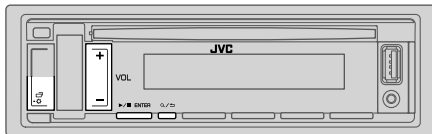
- You can operate the iPod/iPhone in the same way as iPod/iPhone via USB input terminal. (➔ 8)
- If you plug in an iPhone/iPod to the USB input terminal while listening to iPod BT source, the source automatically change to iPod USB. Press **SOURCE-⏪** (for KD-R981BT) or **SRC-⏪** (for KD-R889BT/KD-R881BT) to select iPod BT if the device is still connected via Bluetooth.

AUDIO SETTINGS

KD-R981BT/KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



Select a preset equalizer (for KD-R981BT/KD-R784BT/KD-R782BT)

Press **EQ-BASS** repeatedly.

(or)

Press **EQ-BASS**, then turn the volume knob within 5 seconds.

Preset equalizer:

FLAT (default), DRVN 3, DRVN 2, DRVN 1, HARD ROCK, HIP HOP, JAZZ, POP, R&B, USER, CLASSICAL

- Drive equalizer (DRVN 3/DRVN 2/DRVN 1) boosts specific frequencies in the audio signal to reduce the noise heard from outside the car or running noise of the tyres.

Store your own sound settings (for KD-R981BT/KD-R784BT/KD-R782BT)

- 1 Press and hold **EQ-BASS** to enter EASY EQ setting.
- 2 Turn the volume knob to select an item, then press the knob.
Refer to [EASY EQ] for setting and the result is stored to [USER].

- To return to the previous setting item, press **Q/↵**.
- To exit, press **EQ-BASS**.

Other settings

- 1 Press and hold **EQ-BASS**.
- 2 KD-R981BT/KD-R784BT/KD-R782BT: Turn the volume knob to select an item (see the following table), then press the knob.
KD-R889BT/KD-R881BT: Press **VOL +/-** to select an item (see the following table), then press **▶/|| ENTER**.
- 3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.
- 4 Press **EQ-BASS** to exit.

To return to the previous setting item, press **Q/↵**.

Default: **XX**

EQ SETTING

PRESET EQ	Select a preset equalizer suitable to the music genre. <ul style="list-style-type: none">• Select [USER] to use the settings made in [EASY EQ] or [PRO EQ]. FLAT/DRVN 3/DRVN 2/DRVN 1/HARD ROCK/HIP HOP/JAZZ/POP/R&B/USER/CLASSICAL
EASY EQ	Adjust your own sound settings. <ul style="list-style-type: none">• The settings are stored to [USER].• The settings made may affect the current settings of [PRO EQ]. SUB.W SP*1*2: 00 to +06 (Default: 03) SUB.W*1*3: -50 to +10 (Default: 00) BASS: LVL-09 to LVL+09 (Default: LVL 00) MID: LVL-09 to LVL+09 (Default: LVL 00) TRE: LVL-09 to LVL+09 (Default: LVL 00)

*1, *2, *3: (↔ 20)

AUDIO SETTINGS

PRO EQ	Adjust your own sound settings. <ul style="list-style-type: none"> The settings are stored to [USER]. The settings made may affect the current settings of [EASY EQ].
62.5HZ	LEVEL -09 to LEVEL +09 (LEVEL 00): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.) ON: Turns on the extended bass. ; OFF: Cancels.
100HZ/160HZ/250HZ/400HZ/630HZ/1KHZ/1.6KHZ/2.5KHZ/4KHZ/6.3KHZ/10KHZ/16kHz	LEVEL -09 to LEVEL +09 (LEVEL 00): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.)
Q FACTOR	1.35/1.50/2.00: Adjust the quality factor.
AUDIO CONTROL	
BASS BOOST	LEVEL +01 to LEVEL +05: Selects your preferred bass boost level. ; OFF: Cancels.
LOUDNESS	LEVEL 01/LEVEL 02: Boosts low or high frequencies to produce a well-balanced sound at low volume. ; OFF: Cancels
SUB.W LEVEL*1	SPK-OUT*2 (Not applicable when 3-way crossover is selected.) SUB.W 00 to SUB.W +06 (SUB.W +03): Adjusts the output level of the subwoofer connected via speaker lead. (→ 32) PRE-OUT*3 SUB.W -50 to SUB.W +10 (SUB.W 00): Adjusts the output level of the subwoofer connected to the lineout terminals (SW or REAR/SW) through an external amplifier. (→ 32)
SUBWOOFER SET*3	ON: Turns on the subwoofer output. ; OFF: Cancels.
FADER	(Not applicable when 3-way crossover is selected.) POSITION R15 to POSITION F15 (POSITION 00): Adjusts the front and rear speaker output balance.
BALANCE*4	POSITION L15 to POSITION R15 (POSITION 00): Adjusts the left and right speaker output balance.
VOLUME ADJUST	LEVEL -15 to LEVEL +06 (LEVEL 00): Preset the initial volume level of each source (compared to the FM volume level). Before adjustment, select the source you want to adjust.
AMP GAIN	LOW POWER: Limits the maximum volume level to 25. (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speakers.) ; HIGH POWER: The maximum volume level is 35.
SPK/PRE OUT	(Not applicable when 3-way crossover is selected.) Depending on the speaker connection method, select the appropriate setting to get the desired output. (→ 21, Speaker output settings)
SPEAKER SIZE	Depending on the crossover type you have selected (→ [X ' OVER TYPE]), 2-way crossover or 3-way crossover setting items will be shown. (→ 22, Crossover settings)
X ' OVER	By default, 2-way crossover type is selected.
DTA SETTINGS	For settings, → 23, Digital Time Alignment settings.
CAR SETTINGS	
X ' OVER TYPE	Caution: Adjust the volume before changing the [X ' OVER TYPE] to avoid the sudden increase or decrease of the output level.
2-WAY	(Displayed only when [3-WAY] is selected.) YES: Selects two way crossover type. ; NO: Cancels.
3-WAY	(Displayed only when [2-WAY] is selected.) YES: Selects three way crossover type. ; NO: Cancels.

*1 Displayed only when [SUBWOOFER SET] is set to [ON].

*2 For 2-way crossover: Displayed only when [SPK/PRE OUT] is set to [SUB.W/SUB.W]. (→ 21)

*3 For 2-way crossover: Displayed only when [SPK/PRE OUT] is set to [REAR/SUB.W] or [SUB.W/SUB.W]. (→ 21)

*4 This adjustment will not affect the subwoofer output.

AUDIO SETTINGS

SOUND EFFECT	
SPACE ENHANCE	(Not applicable for TUNER source.) SMALL/MEDIUM/LARGE: Virtually enhances the sound space. ; OFF: Cancels.
SND RESPONSE	LEVEL1/LEVEL2/LEVEL3: Virtually makes the sound more realistic. ; OFF: Cancels.
SOUND LIFT	LOW/MIDDLE/HIGH: Virtually adjust the sound position heard from the speakers. ; OFF: Cancels.
VOL LINK EQ	ON: Boosts the frequency to reduce the noise heard from outside the car or running noise of the tyres. ; OFF: Cancels.
K2 TECHNOLOGY	(Not applicable for TUNER source and AUX source.) ON: Improve the sound quality of compressed music. ; OFF: Cancels.

Speaker output settings [SPK/PRE OUT]

(Applicable only if [X ' OVER TYPE] is set to [2-WAY]) (→ 30)

Select the output setting for the speakers [SPK/PRE OUT], based on the speaker connection method.

■ Connection via lineout terminals

For connections through an external amplifier. (→ 32)

KD-R981BT:

Setting on [SPK/PRE OUT]	Audio signal through lineout terminal		
	FRONT	REAR	SW
REAR/REAR (default)	Front speakers output	Rear speakers output	Subwoofer output
REAR/SUB.W	(Not available)	(Not available)	(Not available)
SUB.W/SUB.W	Front speakers output	L (left): Subwoofer output R (right): (Mute)	Subwoofer output

KD-R889BT/KD-R881BT/KD-R782BT:

Setting on [SPK/PRE OUT]	Audio signal through lineout terminal	
	FRONT	REAR/SW
REAR/REAR	Front speakers output	Rear speakers output
REAR/SUB.W (default)	Front speakers output	Subwoofer output
SUB.W/SUB.W	Front speakers output	Subwoofer output

KD-R784BT:

Setting on [SPK/PRE OUT]	Audio signal through lineout terminal	
	REAR/SW	
REAR/REAR	Rear speakers output	
REAR/SUB.W (default)	Subwoofer output	
SUB.W/SUB.W	Subwoofer output	

■ Connection via speaker leads

For connections without using an external amplifier. However, with this settings you can also enjoy the subwoofer output. (→ 32)

Setting on [SPK/PRE OUT]	Audio signal through rear speaker lead	
	L (left)	R (right)
REAR/REAR	Rear speakers output	Rear speakers output
REAR/SUB.W	Rear speakers output	Rear speakers output
SUB.W/SUB.W	Subwoofer output	(Mute)

If [SUB.W/SUB.W] is selected:

- [120HZ] is selected in [SUBWOOFER LPF] and [THROUGH] is not available.
- [POSITION R02] is selected in [FADER] and selectable range is [POSITION R15] to [POSITION 00].

AUDIO SETTINGS

Crossover settings

Below are the available setting items for 2-way crossover and 3-way crossover.

▲ Caution

Select a crossover type according to how the speakers are connected.

(→ 32)

If you select a wrong type:

- The speakers may damage.
- The output sound level may be extremely high or low.

SPEAKER SIZE

Selects according to the connected speaker size for optimum performance.

- The frequency and slope settings are automatically set for the crossover of the selected speaker.
- When 2-way crossover is selected, if [NONE] is selected for [TWEETER] of [FRONT], [REAR] and [SUBWOOFER] for [SPEAKER SIZE], the [X'OVER] setting of the selected speaker is not available.
- When 3-way crossover is selected, if [NONE] is selected for [WOOFER] of [SPEAKER SIZE], the [X'OVER] setting of [WOOFER] is not available.

X'OVER (crossover)

- [FRQ]/[F-HPF FRQ]/[R-HPF FRQ]/[SW LPF FRQ]/[HPF FRQ]/[LPF FRQ]: Adjusts the crossover frequency for the selected speakers (high pass filter or low pass filter).
If [THROUGH] is selected, all signals are sent to the selected speakers.
- [SLOPE]/[F-HPF SLOPE]/[R-HPF SLOPE]/[SW LPF SLOPE]/[HPF SLOPE]/[LPF SLOPE]: Adjusts the crossover slope.
Selectable only if a setting other than [THROUGH] is selected for the crossover frequency.
- [SW LPF PHASE]/[PHASE]: Selects the phase of the speaker output to be in line with the other speaker output.
- [GAIN LEFT]/[GAIN RIGHT]/[F-HPF GAIN]/[R-HPF GAIN]/[SW LPF GAIN]/[GAIN]: Adjusts the output volume of the selected speaker.

2-way crossover setting items

SPEAKER SIZE		
FRONT	SIZE	8CM/10CM/12CM/13CM/16CM/17CM/18CM/4×6/ 5×7/6×8/6×9/7×10
	TWEETER	SMALL/MIDDLE/LARGE/NONE (not connected)
REAR*1		8CM/10CM/12CM/13CM/16CM/17CM/18CM/4×6/5×7/6×8/6×9/ 7×10/NONE (not connected)
SUBWOOFER*2*3		16CM/20CM/25CM/30CM/38CM OVER/NONE (not connected)
X'OVER		
TWEETER	FRQ	1KHZ/1.6KHZ/2.5KHZ/4KHZ/5KHZ/6.3KHZ/8KHZ/ 10KHZ/12.5KHZ
	GAIN LEFT	-08DB to 00DB
	GAIN RIGHT	-08DB to 00DB
FRONT HPF	F-HPF FRQ	30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/ 120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH
	F-HPF SLOPE	-06DB/-12DB/-18DB/-24DB
	F-HPF GAIN	-08DB to 00DB
REAR HPF*1	R-HPF FRQ	30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/ 120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH
	R-HPF SLOPE	-06DB/-12DB/-18DB/-24DB
	R-HPF GAIN	-08DB to 00DB
SUBWOOFER LPF*2*3	SW LPF FRQ	30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/ 120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH
	SW LPF SLOPE	-06DB/-12DB/-18DB/-24DB
	SW LPF PHASE	REVERSE (180°)/NORMAL (0°)
	SW LPF GAIN	-08DB to 00DB

*1, *2, *3: (→ 23)

AUDIO SETTINGS

3-way crossover setting items

SPEAKER SIZE		
TWEETER	SMALL/MIDDLE/LARGE	
MID RANGE	8CM/10CM/12CM/13CM/16CM/17CM/18CM/4×6/5×7/6×8/6×9	
WOOFER*3	16CM/20CM/25CM/30CM/38CM OVER/NONE (not connected)	
X ' OVER		
TWEETER	HPF FRQ	1KHZ/1.6KHZ/2.5KHZ/4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ
	SLOPE	-06DB/-12DB
	PHASE	REVERSE (180°)/NORMAL (0°)
	GAIN	-08DB to 00DB
MID RANGE	HPF FRQ	30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH
	HPF SLOPE	-06DB/-12DB
	LPF FRQ	1KHZ/1.6KHZ/2.5KHZ/4KHZ/5KHZ/6.3KHZ/8KHZ/10KHZ/12.5KHZ/THROUGH
	LPF SLOPE	-06DB/-12DB
	PHASE	REVERSE (180°)/NORMAL (0°)
	GAIN	-08DB to 00DB
WOOFER*3	LPF FRQ	30HZ/40HZ/50HZ/60HZ/70HZ/80HZ/90HZ/100HZ/120HZ/150HZ/180HZ/220HZ/250HZ/THROUGH
	SLOPE	-06DB/-12DB
	PHASE	REVERSE (180°)/NORMAL (0°)
	GAIN	-08DB to 00DB

*1 Displayed only when [SPK/PRE OUT] is set to [REAR/REAR] or [REAR/SUB.W]. (→ 21)

*2 Except for KD-R981BT: Displayed only when [SPK/PRE OUT] is set to [REAR/SUB.W] or [SUB.W/SUB.W]. (→ 21)

*3 Displayed only when [SUBWOOFER SET] is set to [ON]. (→ 20)

Digital Time Alignment settings

Digital Time Alignment sets the delay time of the speaker output to create a more suitable environment for your vehicle.

- For more information, → 24, Determining the value for [DISTANCE] and [GAIN] of [DTA SETTINGS].

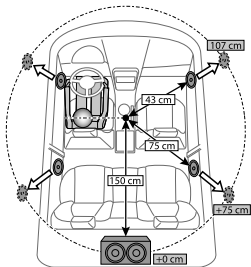
DTA SETTINGS

POSITION	Selects your listening position (reference point). ALL : Not compensating ; FRONT RIGHT : Front right seat ; FRONT LEFT : Front left seat ; FRONT ALL : Front seat • [FRONT ALL] is displayed only when [X ' OVER TYPE] is set to [2-WAY]. (→ 20)
DISTANCE*1	0CM to 610CM: Fine adjust the distance to compensate.
GAIN*1	-8DB to 0DB: Fine adjust the output volume of the selected speaker.
DTA RESET	YES: Resets the settings ([DISTANCE] and [GAIN]) of the selected [POSITION] to default. ; NO: Cancels.
CAR SETTINGS	Identify your car type and rear speaker location in order to make the adjustment for [DTA SETTINGS].
CAR TYPE	COMPACT/FULL SIZE CAR/WAGON/MINIVAN/SUV/MINIVAN(LONG): Selects the type of vehicle. ; OFF: Not compensating.
R-SP LOCATION*2	Selects the location of the rear speakers in your vehicle to calculate the furthest distance from the listening position selected (reference point). • DOOR/REAR DECK : Selectable only when [CAR TYPE] is selected as [OFF], [COMPACT], [FULL SIZE CAR], [WAGON] or [SUV]. • 2ND ROW/3RD ROW : Selectable only when [CAR TYPE] is selected as [MINIVAN] or [MINIVAN(LONG)].

*1, *2: (→ 24)

AUDIO SETTINGS

Determining the value for [DISTANCE] and [GAIN] of [DTA SETTINGS]



If you specify the distance from the center of the currently set listening position to every speaker, the delay time will be automatically computed and set.

- 1 Determine the center of the currently set listening position as the reference point.
- 2 Measure the distances from the reference point to the speakers.
- 3 Calculate the differences between the distance of the furthest speaker (rear speaker) and other speakers.
- 4 Set the [DISTANCE] calculated in step 3 for individual speakers.
- 5 Adjust [GAIN] for individual speakers.

Example: When [FRONT ALL] is selected as the listening position

*1 Before making an adjustment, select the speaker:

When 2-way crossover is selected:

FRONT LEFT/FRONT RIGHT/REAR LEFT/REAR RIGHT/SUBWOOFER

– [REAR LEFT], [REAR RIGHT] and [SUBWOOFER] is selectable only if a setting other than [NONE] is selected for [REAR] or [SUBWOOFER] of [SPEAKER SIZE]. (→ 22)

When 3-way crossover is selected:

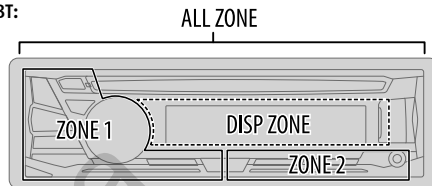
TWEETER LEFT/TWEETER RIGHT/MID LEFT/MID RIGHT/WOOFER

– [WOOFER] is selectable only if a setting other than [NONE] is selected for [WOOFER] of [SPEAKER SIZE]. (→ 23)

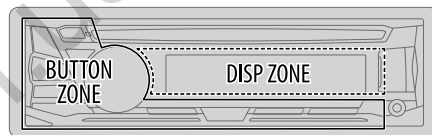
*2 Displayed only when [X' OVER TYPE] is set to [2-WAY] (→ 20) and if a setting other than [NONE] is selected for [REAR] of [SPEAKER SIZE]. (→ 22)

DISPLAY SETTINGS

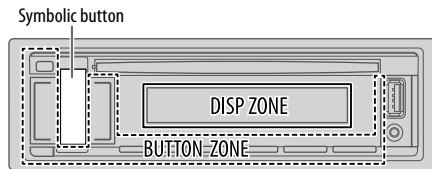
KD-R981BT:



KD-R784BT/KD-R782BT:



KD-R889BT/KD-R881BT:



1 Press and hold .

2 KD-R981BT/KD-R784BT/KD-R782BT: Turn the volume knob to select an item (→ 25), then press the knob.

KD-R889BT/KD-R881BT:

Press **VOL +/-** to select an item (→ 25), then press **▶/|| ENTER**.

3 Repeat step 2 until the desired item is selected/activated or follow the instructions stated on the selected item.

4 Press to exit.

To return to the previous setting item, press **Q/↶**.

DISPLAY SETTINGS

Default: **XX**

DISPLAY

DIMMER	<p>Dim the illumination. OFF: Dimmer is turned off. Brightness changes to [DAY] setting. ON: Dimmer is turned on. Brightness changes to [NIGHT] setting. (→ [BRIGHTNESS]) DIMMER TIME: Set the dimmer on and off time. KD-R981BT/KD-R784BT/KD-R782BT: 1 Turn the volume knob to adjust the [ON] time, then press the knob. 2 Turn the volume knob to adjust the [OFF] time, then press the knob. (Default: [ON]: 18:00 ; [OFF]: 6:00) KD-R889BT/KD-R881BT: 1 Press VOL +/– to adjust the [ON] time, then press ▶/■ENTER. 2 Press VOL +/– to adjust the [OFF] time, then press ▶/■ENTER. (Default: [ON]: 18:00 ; [OFF]: 6:00) DIMMER AUTO: Dimmer turns on and off automatically when you turn off or on the car headlights.*1</p>
BRIGHTNESS	<p>Set the brightness for day and night separately. 1 DAY/NIGHT: Select day or night. 2 Select a zone. (→ 24) 3 LEVEL 00 to LEVEL 31: Set the brightness level. (Default: KD-R981BT: [DAY]: LEVEL 31 ; [NIGHT]: LEVEL 11 KD-R889BT/KD-R881BT/KD-R784BT/KD-R782BT: BUTTON ZONE: [DAY]: LEVEL 25 ; [NIGHT]: LEVEL 09 DISP ZONE: [DAY]: LEVEL 31 ; [NIGHT]: LEVEL 12)</p>
TEXT SCROLL *2	<p>SCROLL ONCE: Scrolls the display information once. ; SCROLL AUTO: Repeats scrolling at 5-second intervals. ; SCROLL OFF: Cancels.</p>

*1 The illumination control wire connection is required. (→ 32)

*2 Some characters or symbols will not be shown correctly (or will be blanked).

*3 If one of these color pattern is selected, the [ZONE 1], [DISP ZONE], [ZONE 2] illumination color will change to the default color.

COLOR (for KD-R981BT/KD-R889BT/KD-R881BT)

For KD-R981BT:

PRESET	<p>Select illumination colors for button and display separately. Default color: ALL ZONE: [COLOR 08], DISP ZONE: [COLOR 01], ZONE 1: [COLOR 08], ZONE 2: [COLOR 46] 1 Select a zone. (→ 24) 2 Select a color for the selected zone. • COLOR 01 to COLOR 49 • USER: The color you have created for [DAY COLOR] or [NIGHT COLOR] is shown. • COLOR FLOW01 to COLOR FLOW03: Color changes at different speeds. • GROOVE/TECHNO/EMOTION/RELAX/SPECTRUM/SWEEP/POP: The selected color pattern is shown.*3 (Selectable only when [ALL ZONE] is selected in step 1.)</p>
DAY COLOR	<p>Store your own day and night illumination colors for different zones. Default color: ZONE 1: [RED 00], [GREEN 05], [BLUE 31] DISP ZONE: [RED 20], [GREEN 31], [BLUE 31] ZONE 2: [RED 00], [GREEN 31], [BLUE 00] 1 Select a zone. (→ 24) 2 RED/GREEN/BLUE: Select a primary color. 3 00 to 31: Select the level. Repeat steps 2 and 3 for all the primary colors. • Your setting is stored to [USER] in [PRESET]. • If [00] is selected for all primary colors for [DISP ZONE], nothing appears on the display. • [NIGHT COLOR] or [DAY COLOR] is changed by turning on or off your car's headlight.</p>
NIGHT COLOR	
COLOR GUIDE	<p>ON: The color of buttons illumination change to white color when in menu mode or when selecting a music file from a folder/list. While the color of [DISP ZONE] changes randomly according to the volume level. ; OFF: Cancels.</p>

DISPLAY SETTINGS

For KD-R889BT/KD-R881BT (symbolic button only):

PRESET	Select an illumination color for the symbolic button. Default color: [COLOR FLOW01] <ul style="list-style-type: none">• COLOR 01 to COLOR 49• USER: The color you have created for [DAY COLOR] or [NIGHT COLOR] is shown.• COLOR FLOW01 to COLOR FLOW03: Color changes at different speeds.• Preset color: CRYSTAL, FLOWER, FOREST, GRADATION, OCEAN, SUNSET, RELAX
DAY COLOR	Store your own day and night illumination colors for the symbolic button. Default color: [RED 31], [GREEN 31], [BLUE 23] 1 RED/GREEN/BLUE : Select a primary color. 2 00 to 31 : Select the level.
NIGHT COLOR	Repeat steps 1 and 2 for all primary colors. <ul style="list-style-type: none">• Your setting is stored to [USER] in [PRESET].• [NIGHT COLOR] or [DAY COLOR] is changed by turning on or off your car's headlight.
MENU COLOR	ON : The color of symbolic button illumination changes to white color when in menu mode or when selecting a music file from a folder/list ; OFF : Cancels.

REFERENCES

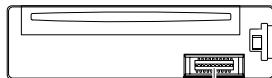
■ Maintenance

Cleaning the unit

Wipe off dirt on the faceplate with a dry silicone or soft cloth.

Cleaning the connector

Detach the faceplate and clean the connector gently with a cotton swab, being careful not to damage the connector.



Connector (on the reverse side of the faceplate)

Handling discs:

- Do not touch the recording surface of the disc.
- Do not stick tape etc. on the disc, or use a disc with tape stuck on it.
- Do not use any accessories for the disc.
- Clean from the center of the disc and move outward.
- Clean the disc with a dry silicone or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove burrs from the center hole and disc edge before inserting a disc.

■ More information

For:

- Latest firmware updates and latest compatible item list
- JVC original application
- Any other latest information

Visit <<http://www.jvc.net/cs/car/>>.

General

- This unit can only play the following CDs:



- **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 cannot be recommended.
- For detailed information and notes about the playable audio files, visit <<http://www.jvc.net/cs/car/>>.

REFERENCES

Playable files

- Playable audio file:

For disc:

KD-R981BT/KD-R889BT/KD-R881BT: MP3 (.mp3), WMA (.wma), AAC (.aac)

KD-R784BT/KD-R782BT: MP3 (.mp3), WMA (.wma)

For USB mass storage class device:

KD-R981BT/KD-R889BT/KD-R881BT: MP3 (.mp3), WMA (.wma), AAC (.aac), WAV (.wav),
FLAC (.flac)

KD-R784BT/KD-R782BT: MP3 (.mp3), WMA (.wma), WAV (.wav), FLAC (.flac)

- Playable disc media: CD-R/CD-RW/CD-ROM

- Playable disc file format: ISO 9660 Level 1/2, Joliet, Long file name

- Playable USB device file system: FAT12, FAT16, FAT32

Even when audio files comply with the standards listed above, playback may be impossible depending on the types or conditions of media or device.

The AAC (.m4a) file in a USB device or a CD encoded by iTunes cannot be played on this unit.

Unplayable discs

- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- Recordable/ReWritable discs that have not been finalized.
- 8 cm CD. Attempting to insert using an adapter may cause malfunction.

About USB devices

- You cannot connect a USB device via a USB hub.
- Connecting a cable whose total length is longer than 5 m may result in abnormal playback.
- This unit cannot recognize a USB device whose rating is other than 5 V and exceeds 1.5 A.

About iPod/iPhone (except for KD-R784BT and KD-R782BT)

- Via USB input terminal:

Made for

- iPod touch (5th and 6th generation)
- iPod nano (7th generation)
- iPhone 4S, 5, 5S, 5C, 6, 6 Plus, 6S, 6S Plus, SE

- Via Bluetooth:

Made for

– iPod touch (5th and 6th generation)

– iPhone 4S, 5, 5S, 5C, 6, 6 Plus, 6S, 6S Plus, SE

- It is not possible to browse video files on the “Videos” menu in [HEAD MODE].

- The song order displayed on the selection menu of this unit may differ from that of the iPod/iPhone.

- Depending on the version of the operating system of the iPod/iPhone, some functions may not operate on this unit.

About Android device

- This unit supports Android OS 4.1 and above.

- Some Android devices (with OS 4.1 and above) may not fully support Android Open Accessory (AOA) 2.0.

- If the Android device supports both mass storage class device and AOA 2.0, this unit always playback via AOA 2.0 as priority.

About Bluetooth

- Depending on the Bluetooth version of the device, some Bluetooth devices may not be able to connect to this unit.

- This unit may not work with some Bluetooth devices.

- Signal conditions vary, depending on the surroundings.

Available Cyrillic letters

Available characters

Display indications

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

REFERENCES

Change the display information

Each time you press , the display information changes.

- If the information is unavailable or not recorded, "NO TEXT", "NO NAME", or other information (eg. station name) appears.

Source name	Display information
FM or AM	<p>Frequency (Date/Clock) → Frequency (Date/Clock) with music synchronisation* → (back to the beginning)</p> <p>(For FM Radio Data System stations only) Station name (PS)/Program type (PTY) (Date/Clock) → Radio text (Date/Clock) → Radio text+ (Radio text+) → Song title (Artist) → Song title (Date/Clock) → Frequency (Date/Clock) → Station name (PS)/Program type (PTY) (Date/Clock) with music synchronisation* → (back to the beginning)</p>
CD or USB	<p>(For CD-DA) Track title (Artist) → Track title (Disc name) → Track title (Date/Clock) → Playing time (Date/Clock) → Track title (Artist) with music synchronisation* → (back to the beginning)</p> <p>(For MP3/WMA/AAC/WAV/FLAC files) Song title (Artist) → Song title (Album name) → Song title (Date/Clock) → File name (Folder name) → File name (Date/Clock) → Playing time (Date/Clock) → Song title (Artist) with music synchronisation* → (back to the beginning)</p>
iPod USB/iPod BT or ANDROID	<p>When [HEAD MODE]/[AUTO MODE] is selected (→ 9): Song title (Artist) → Song title (Album name) → Song title (Date/Clock) → Playing time (Date/Clock) → Song title (Artist) with music synchronisation* → (back to the beginning)</p>
BT AUDIO	<p>Song title (Artist) → Song title (Album name) → Song title (Date/Clock) → Playing time (Date/Clock) → Song title (Artist) with music synchronisation* → (back to the beginning)</p>
AUX	<p>AUX (Date/Clock) → AUX (Date/Clock) with music synchronisation* → (back to the beginning)</p>

* **KD-R981BT**: The illumination colors of the buttons and display change and synchronises with the music.

KD-R889BT/KD-R881BT: The illumination color of the symbolic button changes and synchronises with the music.

KD-R784BT/KD-R782BT: The brightness of the illumination changes and synchronises with the music.

TROUBLESHOOTING

Symptom	Remedy
General	<p>Sound cannot be heard.</p> <ul style="list-style-type: none"> • Adjust the volume to the optimum level. • Check the cords and connections. <p>"MISWIRING CHECK WIRING THEN PWR ON" appears.</p> <p>Turn the power off, then check to be sure the terminals of the speaker wires are insulated properly. Turn the power on again.</p> <p>"PROTECTING SEND SERVICE" appears.</p> <p>Send the unit to the nearest service center.</p> <p>Source cannot be selected.</p> <p>Check the [SOURCE SELECT] setting. (→ 5)</p>
Radio	<p>• Radio reception is poor.</p> <p>• Static noise while listening to the radio.</p> <p>Connect the antenna firmly.</p>
CD/USB/iPod	<p>Disc cannot be ejected.</p> <p>Press and hold to forcibly eject the disc. Be careful not to drop the disc when it is ejected.</p>
	<p>"IN DISC" appears.</p> <p>Make sure nothing is blocking the loading slot when you eject the disc.</p>
	<p>"PLEASE EJECT" appears.</p> <p>Press , then insert the disc correctly.</p>
	<p>Playback order is not as intended.</p> <p>The playback order is determined by the file name (USB) or the order in which files were recorded (disc).</p>
<p>Elapsed playing time is not correct.</p> <p>This depends on the recording process earlier.</p>	
<p>"NOT SUPPORT" appears and track skips.</p> <p>Check whether the track is a playable format. (→ 27)</p>	
<p>"READING" keeps flashing.</p> <ul style="list-style-type: none"> • Do not use too many hierarchical levels and folders. • Reload the disc or reattach the USB device. 	

TROUBLESHOOTING

Symptom	Remedy
“UNSUPPORTED DEVICE” appears.	<ul style="list-style-type: none"> Check whether the connected device is compatible with this unit and ensure the file systems are in supported formats. (➔ 27) Reattach the device.
“UNRESPONSIVE DEVICE” appears.	Make sure the device is not malfunction and reattach the device.
“USB HUB IS NOT SUPPORTED” appears.	This unit cannot support a USB device connected via a USB hub.
“CANNOT PLAY” appears.	Connect a USB device that contains playable audio files.
The iPod/iPhone does not turn on or does not work.	<ul style="list-style-type: none"> Check the connection between this unit and iPod/iPhone. Detach and reset the iPod/iPhone using hard reset.
“LOADING” appears when you enter search mode by pressing Q / ➔ .	This unit is still preparing the iPod/iPhone music list. It may take some time to load, try again later.
Correct characters are not displayed.	<ul style="list-style-type: none"> This unit can only display uppercase letters, numbers, and a limited number of symbols. Depending on the display language you have selected (➔ 5), some characters may not be displayed correctly.
<ul style="list-style-type: none"> Sound cannot be heard during playback. Sound output only from the Android device. 	<ul style="list-style-type: none"> Reconnect the Android device. If in [AUDIO MODE], launch any media player application on the Android device and start playback. If in [AUDIO MODE], relaunch the current media player application or use another media player application. Restart the Android device. If this does not solve the problem, the connected Android device is unable to route the audio signal to unit. (➔ 27)

Symptom	Remedy
Cannot playback at [AUTO MODE] .	<ul style="list-style-type: none"> Make sure JVC MUSIC PLAY APP is installed on the Android device. (➔ 8) Reconnect the Android device and select the appropriate control mode. (➔ 9) If this does not solve the problem, the connected Android device does not support [AUTO MODE]. (➔ 27)
“NO DEVICE” or “READING” keeps flashing.	<ul style="list-style-type: none"> Switch off the developer options on the Android device. Reconnect the Android device. If this does not solve the problem, the connected Android device does not support [AUTO MODE]. (➔ 27)
Playback is intermittent or sound skips.	Turn off the power saving mode on the Android device.
“CANNOT PLAY”	<ul style="list-style-type: none"> Make sure Android device contains playable audio files. Reconnect the Android device. Restart the Android device.
No Bluetooth device is detected.	<ul style="list-style-type: none"> Search from the Bluetooth device again. Reset the unit. (➔ 3)
Pairing cannot be made.	<ul style="list-style-type: none"> Make sure you have entered the same PIN code to both the unit and Bluetooth device. Delete pairing information from both the unit and the Bluetooth device, then perform pairing again. (➔ 11)
Echo or noise occurs.	<ul style="list-style-type: none"> Adjust the microphone unit’s position. (➔ 11) Check the [ECHO CANCEL] setting. (➔ 13)
Phone sound quality is poor.	<ul style="list-style-type: none"> Reduce the distance between the unit and the Bluetooth device. Move the car to a place where you can get a better signal reception.

Symptom	Remedy
Sound is being interrupted or skipped during playback of a Bluetooth audio player.	<ul style="list-style-type: none"> Reduce the distance between the unit and the Bluetooth audio player. Turn off, then turn on the unit and try to connect again. Other Bluetooth devices might be trying to connect to the unit.
The connected Bluetooth audio player cannot be controlled.	<ul style="list-style-type: none"> Check whether the connected Bluetooth audio player supports Audio/Video Remote Control Profile (AVRCP). (Refer to the instructions of your audio player.) Disconnect and connect the Bluetooth player again
Bluetooth® "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.
"NOT SUPPORT"	The connected phone does not support Voice Recognition feature.
"ERROR"	Try the operation again. If "ERROR" appears again, check if the device supports the function you have tried.
"H/W ERROR"	Reset the unit and try the operation again. If "H/W ERROR" appears again, consult your nearest service center.

If you still have troubles, reset the unit. (→ 3)

▲ Warning

- The unit can only be used with a 12 V DC power supply, negative ground.
- Disconnect the battery's negative terminal before wiring and mounting.
- Do not connect Battery wire (yellow) and Ignition wire (red) to the car chassis or Ground wire (black) to prevent a short circuit.
- Insulate unconnected wires with vinyl tape to prevent a short circuit.
- Be sure to ground this unit to the car's chassis again after installation.

▲ Caution

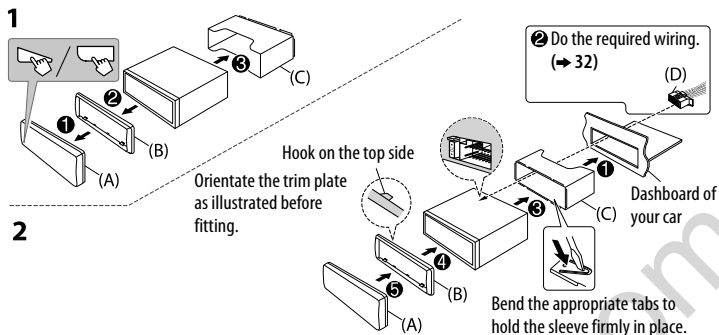
- For safety's sake, leave wiring and mounting to professionals. Consult the car audio dealer.
- Install this unit in the console of your vehicle. Do not touch the metal parts of this unit during and shortly after use of the unit. Metal parts such as the heat sink and enclosure become hot.
- Do not connect the ⊖ wires of speakers to the car chassis or Ground wire (black), or connect them in parallel.
- Connect speakers with a maximum power of more than 50 W. If the maximum power of the speakers is lower than 50 W, change the [AMP GAIN] setting to avoid damaging the speakers. (→ 20)
- Mount the unit at an angle of less than 30°.
- If your vehicle wiring harness does not have the ignition terminal, connect Ignition wire (red) to the terminal on the vehicle's fuse box which provides 12 V DC power supply and is turned on and off by the ignition key.
- Keep all cables away from heat dissipate metal parts.
- After the unit is installed, check whether the brake lamps, blinkers, wipers, etc. on the car are working properly.
- If the fuse blows, first make sure the wires are not touching car's chassis, then replace the old fuse with one that has the same rating.

Basic procedure

- Remove the key from the ignition switch, then disconnect the ⊖ terminal of the car battery.
- Connect the wires properly.
See Wiring connection. (→ 32)
- Install the unit to your car.
See Installing the unit (in-dash mounting). (→ 31)
- Connect the ⊖ terminal of the car battery.
- Press **SOURCE**-⊖ (for KD-R981BT/KD-R784BT/KD-R782BT) or **SRC**-⊖ (for KD-R889BT/KD-R881BT) to turn on the power.
- Detach the faceplate and reset the unit. (→ 3)

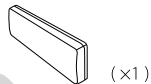
INSTALLATION/CONNECTION

Installing the unit (in-dash mounting)

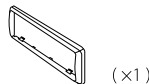


Part list for installation

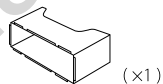
(A) Faceplate



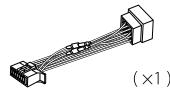
(B) Trim plate



(C) Mounting sleeve



(D) Wiring harness

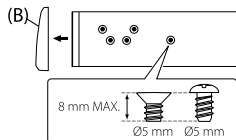


(E) Extraction key



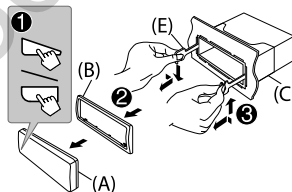
When installing without the mounting sleeve

- 1 Remove the mounting sleeve and trim plate from the unit.
- 2 Align the holes in the unit (on both sides) with the vehicle mounting bracket and secure the unit with screws (commercially available).



▲ Use only the specified screws. Using wrong screws might damage the unit.

How to remove the unit



Output terminals

For 2-way crossover setting

3 pairs	REAR	: Rear output
	FRONT	: Front output
	SW	: Subwoofer output

2 pairs	FRONT	: Front output
	REAR/SW	: Rear/subwoofer output

1 pair	REAR/SW	: Rear/subwoofer output
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For 3-way crossover setting

3 pairs	REAR	: Tweeter output
	FRONT	: Mid Range output
	SW	: Woofer output

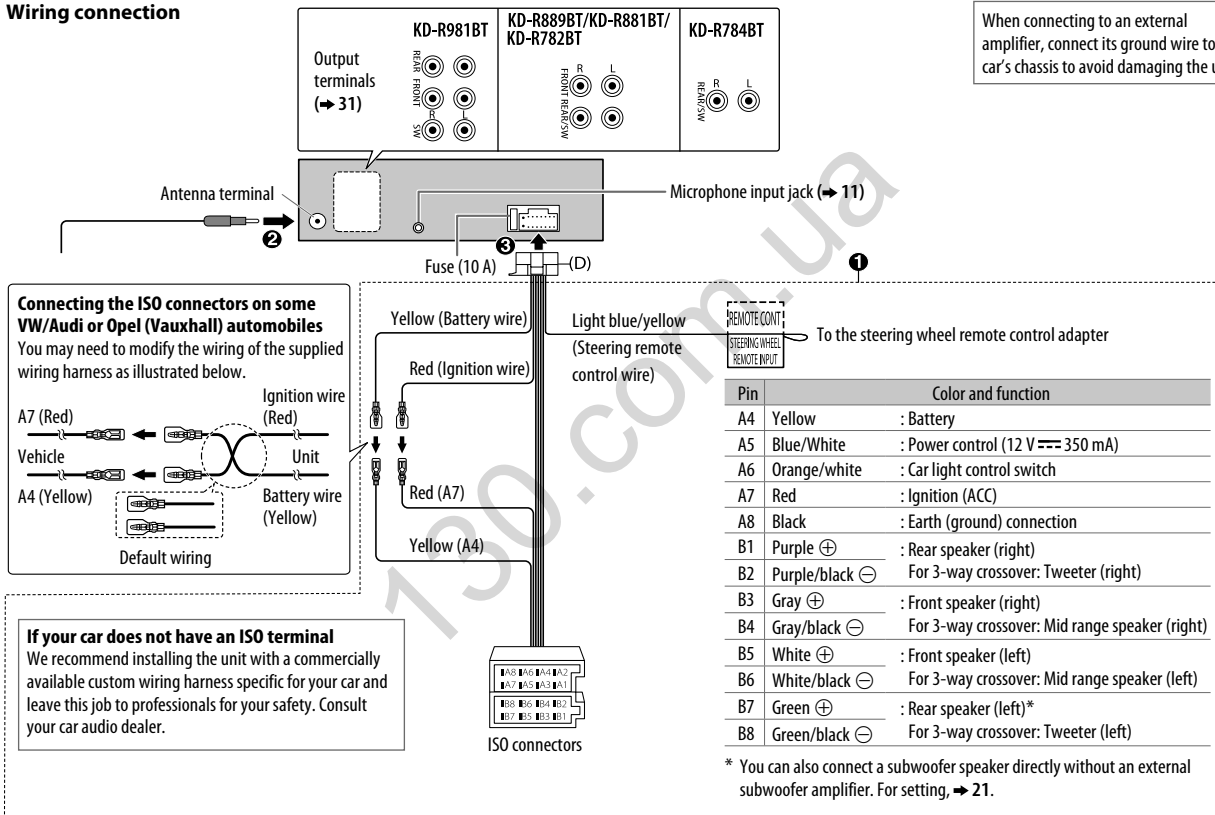
2 pairs	FRONT	: Mid Range output
	REAR/SW	: Woofer output

1 pair	REAR/SW	: Woofer output
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INSTALLATION/CONNECTION

Wiring connection

When connecting to an external amplifier, connect its ground wire to the car's chassis to avoid damaging the unit.



If your car does not have an ISO terminal

We recommend installing the unit with a commercially available custom wiring harness specific for your car and leave this job to professionals for your safety. Consult your car audio dealer.

SPECIFICATIONS

Subject to change without notice.

Tuner	FM	Frequency Range	87.5 MHz — 108.0 MHz (50 kHz step)
		Usable Sensitivity (S/N = 26 dB)	0.71 μ V/75 Ω (8.2 dBf)
		Quieting Sensitivity (DIN S/N = 46 dB)	2.0 μ V/75 Ω
		Frequency Response (± 3 dB)	30 Hz — 15 kHz
		Signal-to-Noise Ratio (MONO)	64 dB
		Stereo Separation (1 kHz)	40 dB
AM (MW)	Frequency Range	531 kHz — 1 611 kHz (9 kHz step)	
	Usable Sensitivity (S/N = 20 dB)	28.2 μ V (29 dB μ)	
AM (LW)	Frequency Range	153 kHz — 279 kHz (9 kHz step)	
	Usable Sensitivity (S/N = 20 dB)	50 μ V (33.9 dB μ)	

CD player	Laser Diode	GaAlAs
	Digital Filter (D/A)	8 times over sampling
	Spindle Speed	500 rpm — 200 rpm (CLV)
	Wow & Flutter	Below measurable limit
	Frequency Response (± 1 dB)	20 Hz — 20 kHz
	Total Harmonic Distortion (1 kHz)	0.01 %
	Signal-to-Noise Ratio (1 kHz)	105 dB
	Dynamic Range	90 dB
	Channel Separation	85 dB
	MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
	WMA Decode	Compliant with Windows Media Audio
	AAC Decode	AAC-LC “.aac” files (Except KD-R784BT/KD-R782BT)

USB	USB Standard	USB 1.1, USB 2.0 (Full speed)
	Compatible Devices	Mass storage class
	File System	FAT12/16/32
	Maximum Supply Current	DC 5 V \leq 1.5 A
	Digital Filter (D/A) Converter	24 Bit
	MP3 Decode	Compliant with MPEG-1/2 Audio Layer-3
	WMA Decode	Compliant with Windows Media Audio
	AAC Decode	AAC-LC “.aac” files (Except KD-R784BT/KD-R782BT)
Auxiliary	WAV Decode	Linear-PCM
	FLAC Decode	FLAC files, Up to 24 bit/48 kHz
	Frequency Response (± 3 dB)	20 Hz — 20 kHz
	Input Maximum Voltage	1 000 mV
	Input Impedance	30 k Ω

Bluetooth	Version	Bluetooth 3.0
	Frequency Range	2.402 GHz — 2.480 GHz
	Output Power	+4 dBm (MAX), 0 dBm (AVE) Power Class 2
	Maximum Communication Range	Line of sight approx. 10 m (32.8 ft)
	Pairing	SSP (Secure Simple Pairing)
	Profile	HFP1.6 (Hands-Free Profile) A2DP (Advanced Audio Distribution Profile) AVRCP1.5 (Audio/Video Remote Control Profile) PBAP (Phonebook Access Profile) SPP (Serial Port Profile)

SPECIFICATIONS

Audio	Maximum Output Power	50 W × 4 or 50 W × 2 + 50 W × 1 (Subwoofer = 4 Ω)
	Full Bandwidth Power (at less than 1 % THD)	22 W × 4
	Speaker Impedance	4 Ω — 8 Ω
	Preout Level/Load (CD/USB)	4 000 mV/10 kΩ load
	Preout Impedance	≤ 600 Ω
General	Operating Voltage (10.5 V — 16 V allowable)	14.4 V
	Maximum Current Consumption	10 A
	Operating Temperature Range	−10°C — +60°C
	Installation Size (W × H × D)	182 mm × 53 mm × 159 mm
	Net Weight (includes Trimplate, Mounting Sleeve)	1.2 kg

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