KD-R975BTS / KD-R970BTS / KD-R97MBS / KD-R875BTS / KD-R870BT / KD-R770BT / KD-RD97BT / KD-RD87BT

CD RECEIVER

INSTRUCTION MANUAL

JVCKENWOOD Corporation

SiriusXM READY

iHeart RADIO

Bluetooth®

Made for iPod iPhone

WORKS WITH PANDORA

K2 TECHNOLOGY

For customer Use:
Enter below the Model No. and Serial No. which are located on the top or bottom of the cabinet. Retain this information for future reference.
Model No. _____
Serial No. _____

B5A-0813-10 [K]

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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.

Remote control (RM-RK52):

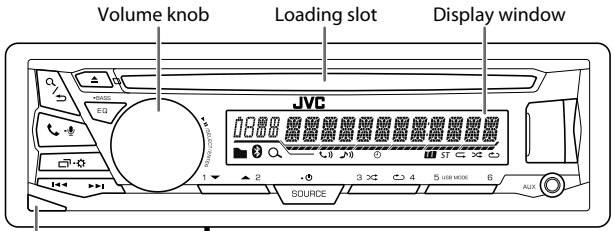
- Do not leave the remote control in hot places such as on the dashboard.
- The Lithium battery is in danger of explosion if replaced incorrectly. Replace it only with the same or equivalent type.
- The battery pack or batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
- Keep the battery out of reach of children and in its original packaging when not in used. Dispose of used batteries promptly. If swallowed, contact a physician immediately.

How to read this manual

- Operations are explained mainly using buttons on the faceplate of **KD-R975BTS**.
- 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.

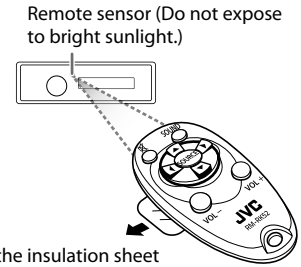
BASICS

Faceplate



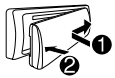
Remote control (RM-RK52)

KD-R97MBS can be remotely controlled with an optionally purchased remote control.

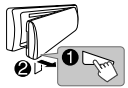


Pull out the insulation sheet when using for the first time.

Attach



Detach

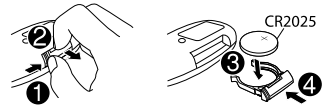


How to reset



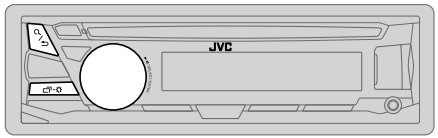
Press the switch twice within 5 seconds after detaching the faceplate.

How to replace the battery



To	On the faceplate	On the remote control
Turn on the power	Press **SOURCE-**⏻. • Press and hold to turn off the power.	(Not available)
Adjust the volume	Turn the volume knob.	Press **VOL +** or **VOL –**.
	Press the volume knob to mute the sound or pause playback. • Press again to cancel.	Press 🔇 to mute the sound or pause playback. • Press again to cancel.
Select a source	• Press **SOURCE-**⏻ repeatedly. • Press **SOURCE-**⏻, then turn the volume knob within 2 seconds.	Press **SOURCE** repeatedly.
Change the display information	Press ⊐·☼ repeatedly. **(➡ 26)**	(Not available)

GETTING STARTED



1 Cancel the demonstration

When you turn on the power for the first time (or [**FACTORY RST**] 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.

2 Set the clock

1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select [CLOCK], then press the knob.**
3. **Turn the volume knob to select [CLOCK SET], then press the knob.**
4. **Turn the volume knob to make the settings, then press the knob.**
   Day ➡ Hour ➡ Minute
5. **Turn the volume knob to select [24H/ 12H], then press the knob.**
6. **Turn the volume knob to select [12 HOUR] or [24 HOUR], then press the knob.**
7. **Press ⏍·☼ to exit.**

To return to the previous setting item, press 🔍 / ⮌.

3 Set the basic settings

1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select an item (see the following table), then press the knob.**
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**

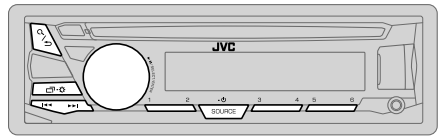
SETTINGS	
BEEP	(Not applicable when 3-way crossover is selected.) **ON**: Activates the keypress tone. ; **OFF**: Deactivates.
SRC SELECT	
AM*	**ON**: Enables AM in source selection. ; **OFF**: Disables.
PANDORA*	**ON**: Enables PANDORA/PANDORA-F/PANDORA-R in source selection. ; **OFF**: Disables.
IHEART*	**ON**: Enables IHEARTRADIO/IHEART FRONT/IHEART REAR in source selection. ; **OFF**: Disables.
AUX*	**ON**: Enables AUX in source selection. ; **OFF**: Disables.
F/W UPDATE	
SYSTEM	
F/W xxxx	**YES**: Starts upgrading the firmware. ; **NO**: Cancels (upgrading is not activated).
FACTORY RST	**YES**: Resets the settings to default (except the stored station). ; **NO**: Cancels.

* Not displayed when the corresponding source is selected.

GETTING STARTED

CLOCK	
CLOCK SYNC	**AUTO**: The clock time is automatically set using the Clock Time (CT) data in FM Radio Broadcast Data System signal. ; **OFF**: Cancels.
CLOCK DISP	**ON**: The clock time is shown on the display even when the unit is turned off. ; **OFF**: Cancels.
ENGLISH ESPANOL	Select the display language for menu and music information if applicable. By default, **ENGLISH** is selected.

RADIO



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

Search for a station

1 **Press SOURCE-⏻ repeatedly to select FM or AM.**
2 **Press ⏮ / ⏭ (or press ◀ / ▶ on RM-RK52) to search for a station automatically.**
(or)
Press and hold ⏮ / ⏭ (or press and hold ◀ / ▶ on RM-RK52) 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)
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.

Select a stored station

Press one of the number buttons (1 to 6).
(or)
1 **Press 🔍 / ⮌.**
2 **Turn the volume knob to select a preset number, then press the knob to confirm.**

Other settings

1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select [TUNER], then press the knob.**
3. **Turn the volume knob to select an item (see the following table), then press the knob.**
4. **Repeat step 3 until the desired item is selected/activated or follow the instructions stated on the selected item.**
5. **Press ⏍·☼ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

RADIO TIMER	Turns on the radio at a specific time regardless of the current source. **1** **ONCE**/ **DAILY**/ **WEEKLY**/ **OFF**: Select how often the timer will be turned on. **2** **FM**/ **AM**/ **SIRIUS XM***1: Select the source. **3** **01** to **18** (for FM/ SIRIUS XM)/ **01** to **06** (for AM): Select the preset station. **4** Set the activation day*2 and time. "🕘" lights up when complete. Radio Timer will not activate for the following cases. • The unit is turned off. • [**OFF**] is selected for [**AM**] in [**SRC SELECT**] after Radio Timer for AM is selected. **(➡ 4)**

*1 For **KD-R975BTS** / **KD-R970BTS** / **KD-R97MBS** / **KD-R875BTS**: Selectable only when SiriusXM Vehicle Tuner is connected.

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

Default: **XX**

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.
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*	**ON**: Improves the FM reception, but the stereo effect will be lost. ; **OFF**: Cancels.
AREA	**AREA US**: For North/Central/South America, AM/FM intervals: 10 kHz/200 kHz. ; **AREA SA**: For some South American countries, AM/FM intervals: 10 kHz/50 kHz. ; **AREA EU**: For any other areas, AM/FM intervals: 9 kHz/50 kHz.
PTY SEARCH*	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.

PTY code: NEWS, **INFORM** (information), **SPORTS**, **TALK**, **ROCK**, **CLS ROCK** (classic rock), **ADLT HIT** (adult hits), **SOFT RCK** (softrock), **TOP 40**, **COUNTRY**, **OLDIES**, **SOFT**, **NOSTALGA** (nostalgia), **JAZZ**, **CLASSICL** (classical), **R & B** (rhythm and blues), **SOFT R&B** (soft rhythm and blues), **LANGUAGE**, **REL MUSC** (religious music), **REL TALK** (religious talk), **PERSNLTY** (personality), **PUBLIC**, **COLLEGE**, **HABL ESP** (Spanish talk), **MUSC ESP** (Spanish music), **HIP HOP**, **WEATHER**

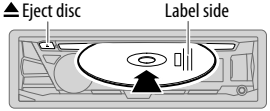
* Only for FM source.

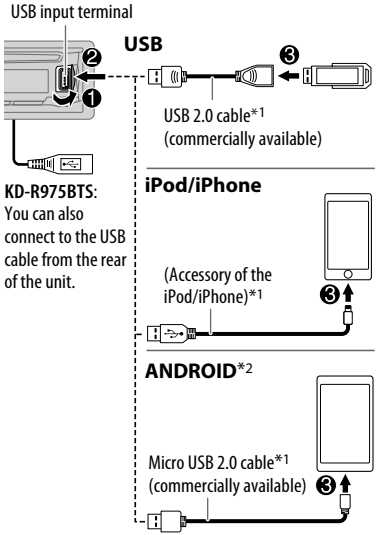
CD / USB / iPod / ANDROID

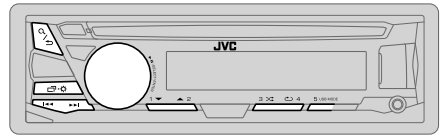
Start playback

The source changes automatically and playback starts.

CD







Selectable source:

- **KD-R975BTS**: CD/ USB FRONT/ USB REAR/ IPOD FRONT/ IPOD REAR/ ANDROID-F/ ANDROID-R
- **KD-R970BTS** / **KD-R97MBS** / **KD-R875BTS** / **KD-R870BT** / **KD-RD97BT** / **KD-RD87BT**: CD/ USB/ USB-IPOD/ ANDROID
- **KD-R770BT**: CD/ USB/ ANDROID

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

*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. (➡ **27**)

*3 For ANDROID: Applicable only when [**AUTO MODE**] is selected. (➡ **8**)

*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. (➡ **8**)

Select control mode

While in IPOD FRONT/ IPOD REAR/ USB-IPOD 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/ ANDROID-F/ ANDROID-R 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

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.

Select a file from a folder/list

1. **Press 🔍/⮌.**
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**
> If you have many files, you can search through them quickly.
> **Turn the volume knob quickly to browse through the list quickly.**
> – Not applicable for iPod.
>
> **Alphabet search (applicable only for iPod):**
> You can search for a file according to the first character.
> **Press 2 ▲/1 ▼ 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.

- To return to the previous setting item, press 🔍/⮌.
- To cancel, press and hold 🔍/⮌.
- For iPod, applicable only when [**HEAD MODE**] is selected.
- For ANDROID, applicable only when [**AUTO MODE**] is selected.

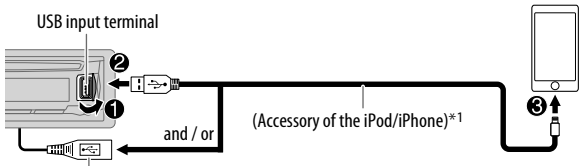
Pandora®

Preparation:
Install the latest version of the Pandora application on your device (iPhone/ iPod touch), then create an account and log in to Pandora.
- Select [**ON**] for [**PANDORA**] in [**SRC SELECT**]. **(➡ 4)**

KD-R770BT:
You can listen to Pandora via Bluetooth connection. **(➡ 14, 19)**

Start listening

1 **Open the Pandora application on your device.**
2 **Connect your device to the USB input terminal.**



KD-R975BTS:
You can also connect to the USB cable from the rear of the unit.

3 **Press SOURCE-⏻ repeatedly to select PANDORA/ PANDORA-F/ PANDORA-R.**
Broadcast starts automatically

To	On the faceplate	On the remote control
Playback / pause	Press the volume knob.	Press 🔇.
Skip a track	Press ►►I.	Press ▶.
Thumbs up or thumbs down*2	Press **2** ▲ / **1** ▼.	Press ▲ / ▼.

*1 Do not leave the cable inside the car when not using.
*2 If thumbs down is selected, the current track is skipped.

Create and save a new station

1 **Press 🔍 / ⮌.**
2 **Turn the volume knob to select [NEW STATION], then press the knob.**
3 **Turn the volume knob to select [FROM TRACK] or [FROM ARTIST], then press the knob.**
A new station is created based on the current song or artist.
4 **Press and hold number button 3, 4, 5 or 6 to store.**

To select a stored station, press number button **3**, **4**, **5** or **6**.

Search for a registered station

1 **Press 🔍 / ⮌.**
2 **Turn the volume knob to select an item, then press the knob.**
[**BY DATE**]: According to the registered date.
[**A-Z**]: Alphabetical order.
3 **Turn the volume knob to select the desired station, then press the knob.**

To cancel, press and hold 🔍 / ⮌.

Bookmark current song information

Press and hold the volume knob.
"BOOKMARKED" appears and the information is stored to your device.
The bookmark is available on your Pandora account but not on this unit.

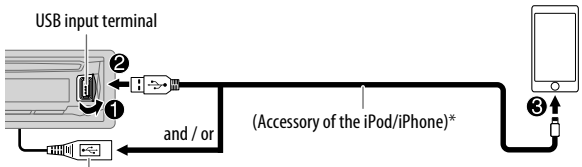
iHeartRadio®

Preparation:
Install the latest version of iHeartAuto application on your device (iPhone/ iPod touch), then create an account and log in to iHeartRadio.
- Select [**ON**] for [**IHEART**] in [**SRC SELECT**]. **(➡ 4)**

KD-R770BT:
You can listen to iHeartRadio via Bluetooth connection. **(➡ 14, 19)**

Start listening

1 Open the iHeartAuto application on your device.
2 Connect your device to the USB input terminal.



KD-R975BTS:
You can also connect to the USB cable from the rear of the unit.

3 Press SOURCE-⏻ repeatedly to select IHEARTRADIO/ IHEART FRONT/ IHEART REAR.
Broadcast starts automatically

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

To	On the faceplate	On the remote control
Playback / pause	Press the volume knob.	Press 🔇.
Skip a track for custom station	Press ►►I.	Press ▶.
Thumbs up or thumbs down	Press **2** ▲ / **1** ▼.	Press ▲ / ▼.
Create a new/ custom station	Press and hold the volume knob.	(Not available)
Scan for live station	**1** Press **3** to start scanning. **2** Press the volume knob to listen to the station.	(Not available)

Search and store a station

1 Press 🔍 / ⮌.
2 Turn the volume knob to select a category, then press the knob.
3 Turn the volume knob to select the desired station, then press the knob.
When a city list appears, you can search cities in alphabetical order by turning the volume knob quickly.

To cancel, press and hold 🔍 / ⮌.

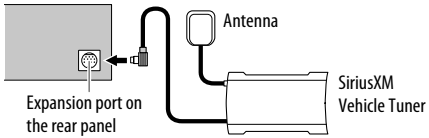
- **To store a station**: Press and hold one of the number buttons (**4** to **6**).
- **To select a stored station**: Press one of the number buttons (**4** to **6**).

SiriusXM® Radio (for KD-R975BTS / KD-R970BTS / KD-R97MBS / KD-R875BTS)

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

Preparation:

1 Connect the optional SiriusXM Vehicle Tuner (commercially available).



2 Check your Radio ID for activation.
The SiriusXM Radio ID is required for activation and can be found by tuning to Channel 0 as well as on the label found on the SiriusXM Connect tuner and its packaging.
The Radio ID does not include the letters I, O, S or F.

3 Press SOURCE-⏻ repeatedly to select SIRIUS XM to start updating.

Start listening

1 Press SOURCE-⏻ repeatedly to select SIRIUS XM.
2 Press 🔍/⮌.
"🔍" lights up.
3 Turn the volume knob to select a CATEGORY, then press the knob.
4 Turn the volume knob to select a category from the list, then press the knob.
If "ALL CHANNEL" is selected, all the available channels will be shown.
5 Turn the volume knob to select a channel, then press the knob.
(or)
Press ⏮ / ⏭ to search for a channel manually.
• Pressing and holding ⏮ / ⏭ changes the channel rapidly.

If a locked channel or a mature channel is selected, a pass code input screen appears. Enter the pass code to receive the channel. (➡ 13)

Store a channel

You can store up to 18 channels.

To	Do this
Store a channel	**Press and hold one of the number buttons (1 to 6).**
	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.
Select a stored channel	**Press one of the number buttons (1 to 6).**
	1 Press 🔍/⮌. **2 Turn the volume knob to select PRESET, then press the knob.** **3 Turn the volume knob to select a preset number, then press the knob.**
	Press ▲/▼ on RM-RK52.

SiriusXM Replay™

1 **Press the volume knob.**
"⟲" lights up and the unit memorizes this paused position.
2 **Press the volume knob to start Replay.**
Replay starts from the paused position in step **1**.

During Replay...

To	On the faceplate	On the remote control
Playback / pause	Press the volume knob.	Press ⏯.
Skip the current song backward/forward	Press ⏮ / ⏭.	Press ◀/▶.
Rewind / Fast-forward	Press and hold ⏮ / ⏭.	Press and hold ◀/▶.
Go to Live and exit Replay	Press and hold the volume knob.	
	1 Press 🔍/⮌. 2 Turn the volume knob to select LIVE, then press the knob.	

SmartFavorites and TuneStart™

User preset channels are initially assigned as the SmartFavorites channels. SmartFavorite channel is available with SXV200 or later SiriusXM tuner models. The SiriusXM Vehicle Tuner automatically buffers the broadcast audio content of the SmartFavorites channels in the background.

- **Using SXV200**: This unit can assign a maximum of 6 SmartFavorites channels. If you try to assign the 7th channel, an error beep tone will be heard. Initially, preset channels 1 to 6 are assigned as SmartFavorites.
  Using SiriusXM tuner models later than SXV200: This unit can assign a maximum of 18 SmartFavorites channels. Initially, all preset channels are assigned as SmartFavorites.
- "∗" appears at the last character of the channel name for the SmartFavorites channels.

When you select a SmartFavorites channel, you can rewind and replay up to 30 minutes of any of the missed news, talk, sports or music content.

- Playback starts from the beginning of the song if [**TUNE START**] is set to [**ON**] (➡ **13**) for most music channels stored as a SmartFavorite.

To	On the faceplate
Select a stored SmartFavorite channel	Press one of the number buttons (**1** to **6**).
	1 Press 🔍/⮌. 2 Turn the volume knob to select a preset number, then press the knob to confirm.
Cancel SmartFavorites channels	1 Press 🔍/⮌. 2 Turn the volume knob to select PRESET, then press the knob. 3 Turn the volume knob to select a preset number, then press and hold the knob. "∗" are removed from the last character.
Reassign SmartFavorites channels	Repeat steps **1** to **3** of cancelling SmartFavorites channels. "∗" appears at the last character.

TuneScan™

You can get a short preview of the songs that you have missed on each of your SmartFavorite music channels or currently tuned music channel.

1 **Press 🔍/⮌.**
2 **Turn the volume knob to select TUNE SCAN, then press the knob.**
Scanning start for the first 6 seconds of the recorded music contents.

- To listen to the current song, press the volume knob to stop scanning. The unit continues playing the current song.
- To select the previous/next song, press ⏮ / ⏭.
- To cancel scanning, press and hold the volume knob. Playback returns to the channel before you entered TuneScan.

SiriusXM settings

1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select [SIRIUS XM], then press the knob.**
3. **Turn the volume knob to select an item (see the following table), then press the knob.**
4. **Repeat step 3 until the desired item is selected/activated or follow the instructions stated on the selected item.**
5. **Press ⏍·☼ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

CH LOCK	To unlock settings: **1** Turn the volume knob to select a number. **2** Press ⏮ / ⏭ to move to the entry position. **3** Repeat steps **1** and **2** to enter the current pass code. (Initial pass code is 0000.) **4** Press the volume knob to confirm.
CODE SET	**1** Press the volume knob to enter [**NEW CODE**]. **2** Turn the volume knob to select a number. **3** Press ⏮ / ⏭ to move to the entry position. **4** Repeat steps **2** and **3** to enter a new 4-digit pass code. **5** Press the volume knob to confirm. **6** Repeat steps **2** to **5** to reconfirm the pass code. • Make a note of the new pass code to enter channel lock settings for next time.
LOCK SET	**MATURE CH**: Selects the SiriusXM-defined lock setting. ; **USER DEFINED**: Selects the individual channels the user wants to lock. ; **OFF**: Cancels.
CH EDIT*1	**1** Turn the volume knob to select a category, then press the knob. **2** Turn the volume knob to select a channel you want to lock, then press the knob. "L" appears in front of the channel number. **3** Press and hold 🔍/⮌ to exit.
CH CLEAR*1	**YES**: Clears all the locked channels. ; **NO**: Cancels.
TUNE START*2	**ON**: All qualified music channels in the Smart Favorites will start playback from the beginning of the song. ; **OFF**: Cancels.
SIGNAL LVL	**NO SIGNAL**/ **WEAK**/ **GOOD**/ **STRONG**: Shows the strength of the current received signal.
BUF USAGE	**0%** — **100%** (**0**): Shows the memory usage for Replay buffer.
SXM RESET	**YES**: Resets stored channel and lock setting to default. ; **NO**: Cancels.

*1 Displayed only when [**USER DEFINED**] is selected.

*2 Available only if the connected SiriusXM Vehicle Tuner is SXV200 or later that supports SmartFavorites.

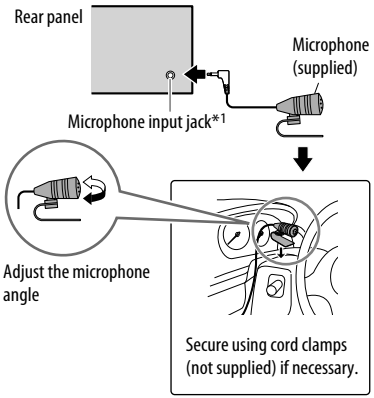
BLUETOOTH®

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



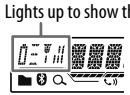
*1 For **KD-R975BTS** / **KD-R970BTS** / **KD-R97MBS** / **KD-R875BTS**, connect to the microphone input terminal. (➡ **34**)

Pair and connect a Bluetooth device for the first time

1 Press SOURCE-⏻ to turn on the unit.
2 Search and select "JVC UNIT" 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 scrolls on the display.
For some Bluetooth devices, pairing sequence may vary from the steps described below.
(A) "[Device Name]" ➡ "XXXXXX" ➡ "VOL – YES" ➡ "BACK – NO"
"XXXXXX" is a 6-digit passkey randomly generated during each pairing.
1 Ensure that the passkey which appears on the unit and Bluetooth device is the same.
2 Press the volume knob to confirm the passkey.
3 Operate the Bluetooth device to confirm the passkey.
(B) "[Device Name]" ➡ "VOL – YES" ➡ "BACK – NO"
1 Press the volume knob 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. (➡ **18**)
• If only "PAIRING" appears, operate the Bluetooth device to confirm pairing.

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



*2 Functionality depends on the type of the phone used.

- This unit supports Secure Simple Pairing (SSP).
- Up to 10 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, ➡ **18**, [**DELETE PAIR**].
- A maximum of two Bluetooth phones and one Bluetooth audio device can be connected at any time.
- 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.

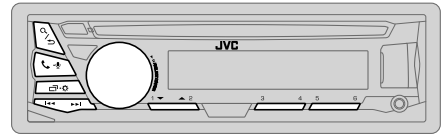
Auto Pairing

When you connect the following device to the USB input terminal, pairing request (via Bluetooth) is automatically activated.
KD-R770BT: Android device
Other models: iPhone/ iPod touch/ Android device

Press the volume knob to pair once you have confirmed the device name.

Automatic pairing request is activated only if:
– Bluetooth function of the connected devcie is turned on.
– [**AUTO CNNT**] is set to [**ON**]. (➡ **18**)
– JVC MUSIC PLAY application is installed on the Android device (➡ **7**) and [**AUTO MODE**] is selected (➡ **8**).

BLUETOOTH — Mobile phone



Receive a call

When there is an incoming call:
- For **KD-R975BTS** / **KD-R970BTS** / **KD-RD97BT** / **KD-R97MBS**:
  The buttons will blink in the color you have selected in [**RING COLOR**]. (➡ **16**)
  For **KD-R875BTS** / **KD-R870BT** / **KD-R770BT** / **KD-RD87BT**:
  The buttons will blink in the blinking pattern you have selected in [**RING ILLUMI**]. (➡ **16**)
- The unit answers the call automatically if [**AUTO ANSWER**] is set to a selected time. (➡ **16**)

During a call:
- For **KD-R975BTS** / **KD-R970BTS** / **KD-RD97BT** / **KD-R97MBS**:
  The buttons stop blinking and illuminate in the color you have selected in [**RING COLOR**]. (➡ **16**)
  For **KD-R875BTS** / **KD-R870BT** / **KD-R770BT** / **KD-RD87BT**:
  The buttons stop blinking.
- If you turn off the unit or detach the faceplate, the Bluetooth connection is disconnected.

To	On the faceplate	On the remote control
First incoming call...		
Answer a call	Press ✆ –🎙 or the volume knob.	Press ▲/▼/◀/▶.
Reject a call	Press and hold ✆ –🎙 or the volume knob.	Press and hold ▲/▼/◀/▶.
End a call	Press and hold ✆ –🎙 or the volume knob.	Press and hold ▲/▼/◀/▶.

To	On the faceplate	On the remote control
While talking on the first incoming call...		
Answer another incoming call and hold the current call	**Press 📞 −🎙 or the volume knob.**	(Not available)
Reject another incoming call	**Press and hold 📞 −🎙 or the volume knob.**	(Not available)
While having two active calls...		
End current call and activate held call	**Press and hold 📞 −🎙 or the volume knob.**	**Press and hold ▲/▼/◀/▶.**
Swap between the current call and held call	**Press 📞 −🎙.**	(Not available)
Adjust the phone volume [00] to [35] (Default: [15])	**Turn the volume knob during a call.** • This adjustment will not affect the volume of the other sources.	(Not available)
Switch between hands-free and private talk modes	**Press 🔍/⮌ during a call.** • Operations may vary according to the connected Bluetooth device.	(Not available)

Improve the voice quality

While talking on the phone....

1. **Press and hold ⧉·☼.**
2. **Turn the volume knob to select an item (see the following table), then press the knob.**
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 LEVEL	**−10** — **+10** (**−4**): The sensitivity of the microphone increases as the number increased.
NOISE RDCT	**−5** — **+5** (**0**): Adjust the noise reduction level until the least noise is being heard during a phone conversation.
ECHO CANCEL	**−5** — **+5** (**0**): 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. **Turn the volume knob to select an item (see the following table), then press the knob.**
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** — **30 SEC**: The unit answers incoming call automatically in the selected time (in seconds). ; **OFF**: Cancels.
RING COLOR	(For **KD-R975BTS** / **KD-R970BTS** / **KD-RD97BT** / **KD-R97MBS**) **COLOR 01** — **COLOR 49** (**COLOR 08**): Selects the notification light color for the buttons when there is an incoming call and during a call. ; **OFF** : Cancels.
RING ILLUMI	(For **KD-R875BTS** / **KD-R870BT** / **KD-R770BT** / **KD-RD87BT**) **BLINK 1** — **BLINK 5** (**BLINK 2**): Selects the notification blinking pattern for the buttons 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.
2 Turn the volume knob to select an item (see the following table), then press the knob.
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) **1** Press the volume knob to select a name or a phone number. • "<" 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 to call.
PHONEBOOK	(Applicable only if the phone supports PBAP) **1** Press **2** ▲ / **1** ▼ to select the desired letter (A to Z, 0 to 9, and OTHERS). • "OTHERS" appears if the first character is other than A to Z, 0 to 9. **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. • 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 "Ú" is showns as "U".)
DIAL NUMBER	**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.
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**).

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.

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 to call.
"NO PRESET" appears if there is no contacts stored.

Bluetooth mode settings

1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select [BLUETOOTH], then press the knob.**
3. **Turn the volume knob to select an item (see the following table), then press the knob.**
4. **Repeat step 3 until the desired item is selected/activated or follow the instructions stated on the selected item.**
5. **Press ⏍·☼ to exit.**

To return to the previous setting item, press 🔍/⮌.

Default: **XX**

PHONE*1 **AUDIO***1	Selects the phone or audio device to connect or disconnect. "⚹" appears in front of the device name when connected.
APPLICATION*1	Shows the connected phone name using the JVC Smart Music Control*2 app. "⚹" appears in front of the device name when connected.
DELETE PAIR	**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.
SET PINCODE (0000)	Changes the PIN code (up to 6 digits). **1** Turn the volume knob 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 to confirm.
AUTO CNNCT	**ON**: The unit automatically reconnect when the last connected Bluetooth device is within range. ; **OFF**: Cancels.
AUTO PAIR	**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 (JVC UNIT). ; **MY ADDRESS**: Shows address of this unit.

*1 You can only connect a maximum of two Bluetooth phones and one Bluetooth audio device at any time.
*2 JVC Smart Music Control is designed to view JVC car receiver status and perform simple control operations on Android smart phones.

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 "JVC UNIT" 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.

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.

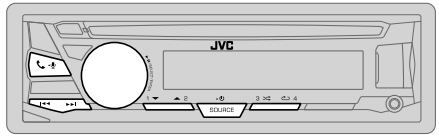
"PAIRING OK" and/or "H.FREE OK"*1 and/or "A.STREAM OK"*2 and/or "PBAP OK"*3 : Compatible

*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-⏻** to turn off the power, then turn on the power again.

BLUETOOTH — Audio



Audio player via Bluetooth

1 Press **SOURCE-⏻** repeatedly to select BT AUDIO (or press **SOURCE** on RM-RK52).
2 Operate the Bluetooth audio player to start playback.

To	On the faceplate	On the remote control
Playback / pause	Press the volume knob.	Press 🔇.
Select group or folder	Press **2 ▲ / 1 ▼**.	Press ▲/▼.
Reverse / Forward skip	Press ⏮ / ⏭.	Press ◀/▶.
Reverse / Fast-forward	Press and hold ⏮ / ⏭.	Press and hold ◀/▶.
Repeat play	Press **4** ↻ repeatedly. TRACK RPT, ALL RPT, RPT OFF	(Not available)
Random play	Press **3** ⤮ repeatedly. GROUP RND, ALL RND, RND OFF	(Not available)
Select a file from a folder/ list	Refer to "Select a file from a folder/ list" on page 8.	(Not available)

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

Internet radio via Bluetooth

Listen to Pandora

You can listen to Pandora on the Android device via Bluetooth on this unit.

Preparation:
Select [**ON**] for [**PANDORA**] in [**SRC SELECT**]. (➡ 4)

1 **Open the Pandora application on your device.**
2 **Connect your Bluetooth audio player via Bluetooth connection. (➡ 14)**
3 **Press SOURCE-⏻ repeatedly to select PANDORA.**
The source switches and broadcast starts automatically.

You can operate Pandora in the same way as Pandora for iPod/iPhone. (➡ 9)

Listen to iHeartRadio

You can listen to iHeartRadio on the Android device via Bluetooth on this unit.

Preparation:
Select [**ON**] for [**IHEART**] in [**SRC SELECT**]. (➡ 4)

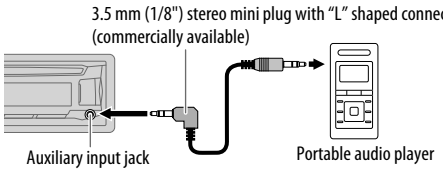
1 **Open the iHeartAuto application on your smart phone.**
2 **Connect your smart phone via Bluetooth connection. (➡ 14)**
3 **Press SOURCE-⏻ repeatedly to select IHEARTRADIO.**
The source switches and broadcast starts automatically.

You can operate iHeartRadio in the same way as iHeartRadio for iPod/iPhone. (➡ 10)

AUX

Use a portable audio player

1 Connect a portable audio player (commercially available).

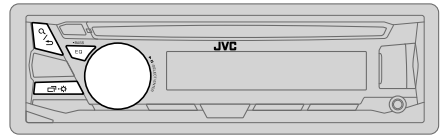


2 Select [ON] for [AUX] in [SRC SELECT]. (➡ 4)
3 Press SOURCE-⏻ repeatedly to select AUX.
4 Turn on the portable audio player and start playback.



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

AUDIO SETTINGS



Select a preset equalizer

Press EQ-BASS repeatedly.
(or)
Press EQ-BASS, then turn the volume knob within 5 seconds.

Preset equalizer:
FLAT (default)/ **HARD ROCK** / **POP** / **HIP HOP** / **R&B** / **JAZZ** / **CLASSICAL** / **USER**

Store your own sound settings

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 (**➡ 21**) and the result is stored to [**USER**].

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

Other settings

1 Press and hold ⏍ · ☼.
2 Turn the volume knob to select an item (➡ 21), then press the knob.
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**

EQ SETTING		
EQ PRESET	Select a preset equalizer suitable to the music genre. (Select [**USER**] to use the settings made in [**EASY EQ**] or [**PRO EQ**].) **FLAT** / **HARD ROCK** / **POP** / **HIP HOP** / **R&B** / **JAZZ** / **CLASSICAL** / **USER**	
EASY EQ	Adjust your own sound settings. 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** **00**
	BASS LVL:	**–09** to **+09** **00**
	MID LVL:	**–09** to **+09** **00**
	TRE LVL:	**–09** to **+09** **00**)
PRO EQ	Adjust your own sound settings. The settings are stored to [**USER**]. • The settings made may affect the current settings of [**EASY EQ**].	
62.5HZ		
	LVL –09 to **+09** (**00**): Adjusts the level to memorize for each source. (Before making an adjustment, select the source you want to adjust.)	
	BASS EXT ON: Turns on the extended bass. ; **BASS EXT OFF**: Cancels.	
100HZ / **160HZ** / **250HZ** / **400HZ** / **630HZ** / **1KHZ** / **1.6KHZ** / **2.5KHZ** / **4KHZ** / **6.3KHZ** / **10KHZ** / **16kHZ**		
	LVL –09 to **+09** (**00**): (Refer above)	
Q FACTOR		
	Q 1.35/ **Q 1.50**/ **Q 2.00**: Adjust the quality factor.	
AUDIO		
BASS BOOST	**+01** — **+05**: Selects your preferred bass boost level. ; **OFF**: Cancels.	
LOUD	**01** / **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.) **00** to **+06** (**+03**): Adjusts the output level of the subwoofer connected via speaker lead. (➡ **34, 35**)
	PRE-OUT[*3]	**–50** to **+10** (**00**): Adjusts the output level of the subwoofer connected to the lineout terminals (SW or REAR/SW) through an external amplifier. (➡ **34, 35**)
SUB.W[*3]	**ON** / **OFF**: Turns on or off the subwoofer output.	
FADER	(Not applicable when 3-way crossover is selected.) **R15** — **F15** (**00**): Adjusts the front and rear speaker output balance.	
BALANCE[*4]	**L15** — **R15** (**00**): Adjusts the left and right speaker output balance.	
VOL ADJUST	**–15** — **+06** (**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. (➡ **22, Speaker output settings**)	
SPK SIZE	Depending on the crossover type you have selected (see [**X ' OVER TYPE**] below), 2-way crossover or 3-way crossover setting items will be shown. (➡ **23, Crossover settings**)	
X ' OVER	By default, 2-way crossover type is selected.	
X ' OVER TYPE	**Caution**: Adjust the volume before changing the **X ' OVER TYPE** to avoid the sudden increase or decrease of the output level.	
X ' OVER 2-WAY	(Displayed only when [**X ' OVER 3-WAY**] is selected) **YES**: Selects two way crossover type. ; **NO**: Cancels.	
X ' OVER 3-WAY	(Displayed only when [**X ' OVER 2-WAY**] is selected) **YES**: Selects three way crossover type. ; **NO**: Cancels.	

[*1] Displayed only when [**SUB.W**] is set to [**ON**].
[*2] For 2-way crossover: Displayed only when [**SPK/PRE OUT**] is set to [**SUB.W/SUB.W**]. (➡ **22**)
[*3] For 2-way crossover: Displayed only when [**SPK/PRE OUT**] is set to [**REAR/SUB.W**] or [**SUB.W/SUB.W**]. (➡ **22**)
[*4] This adjustment will not affect the subwoofer output.

SND EFFECT	
ENHANCE	(Not applicable for TUNER source.) **SML/ MED/ LRG**: Virtually enhances the sound space. ; **OFF**: Cancels.
RESPONSE	**LV1**/ **LV2**/ **LV3**: Virtually makes the sound more realistic. ; **OFF**: Cancels.
SOUND LIFT	**LV1**/ **LV2**/ **LV3**: Virtually adjust the sound position heard from the speakers. ; **OFF**: Cancels.
VOL LINK EQ	**ON**: Boosts the frequency to reduce the noice heard from outside the car or running noise of the tyres. ; **OFF**: Cancels.
K2	(Not applicable for TUNER source, SIRIUS XM source, AUX source.) **ON**: Improve the sound quality of compressed music. ; **OFF**: Cancels.

Speaker output settings

(Only for **X ' OVER 2-WAY**)
Select the output setting for the speakers [**SPK/PRE OUT**], base on the speaker connection method.

Connection via lineout terminals

For connections through an external amplifier. **(➡ 34, 35)**

(For **KD-R975BTS** / **KD-R97MBS** / **KD-R875BTS**)

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

(For **KD-R970BTS** / **KD-R870BT** / **KD-RD97BT** / **KD-RD87BT**)

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

(For **KD-R770BT**)

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. **(➡ 34, 35)**

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:
– [**FRQ 120HZ**] is selected in [**SUB.W LPF**] and [**THROUGH**] is not available.
– [**R02**] is selected in [**FADER**] and selectable range is [**R15**] to [**00**].

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. **(➡ 34, 35)**

If you select a wrong type:

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

SPK SIZE (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.
- If [**NONE**] is selected for [**TWEETER**] of [**FRONT**], [**REAR**] and [**SUBWOOFER**] for [**SPK SIZE**], the [**X ' OVER**] setting of the selected speaker is not available.

X ' OVER (crossover)

[**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**]/ [**HPF SLOPE**]/ [**LPF SLOPE**]:

Adjusts the crossover slope.

- Selectable only if a setting other than [**THROUGH**] is selected for the crossover frequency.

[**PHASE**]:

Selects the phase of the speaker output to be in line with the other speaker output.

[**GAIN LEFT**]/ [**GAIN RIGHT**]/ [**GAIN**]:

Adjusts the output volume of the selected speaker.

2-way crossover setting items

SPK SIZE		
FRONT	**SIZE**	**3.5"/ 4"/ 4.75"/ 5"/ 6.5"/ 6.75"/ 7"/ 4×6"/ 5×7"/ 6×8"/ 6×9"/ 7×10"**
	TWEETER	**SML/ MID/ LRG/ NONE** (not connected)
REAR*1	**3.5"/ 4"/ 4.75"/ 5"/ 6.5"/ 6.75"/ 7"/ 4×6"/ 5×7"/ 6×8"/ 6×9"/ 7×10"/ NONE** (not connected)	
SUBWOOFER*2*3	**6.5"/ 8"/ 10"/ 12"/ 15" 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	**FRQ**	**30HZ/ 40HZ/ 50HZ/ 60HZ/ 70HZ/ 80HZ/ 90HZ/ 100HZ/ 120HZ/ 150HZ/ 180HZ/ 220HZ/ 250HZ/ THROUGH**
	SLOPE	**–06DB/ –12DB/ –18DB/ –24DB**
	GAIN	**–08DB** to **00DB**
REAR HPF*1	**FRQ**	**30HZ/ 40HZ/ 50HZ/ 60HZ/ 70HZ/ 80HZ/ 90HZ/ 100HZ/ 120HZ/ 150HZ/ 180HZ/ 220HZ/ 250HZ/ THROUGH**
	SLOPE	**–06DB/ –12DB/ –18DB/ –24DB**
	GAIN	**–08DB** to **00DB**
SUB.W LPF*2*3	**FRQ**	**30HZ/ 40HZ/ 50HZ/ 60HZ/ 70HZ/ 80HZ/ 90HZ/ 100HZ/ 120HZ/ 150HZ/ 180HZ/ 220HZ/ 250HZ/ THROUGH**
	SLOPE	**–06DB/ –12DB/ –18DB/ –24DB**
	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**]. (➡ **22**)

*2 For **KD-R970BTS / KD-R870BT / KD-R770BT / KD-RD97BT / KD-RD87BT:** Displayed only when [**SPK/PRE OUT**] is set to [**REAR/SUB.W**] or [**SUB.W/SUB.W**]. (➡ **22**)

*3 Displayed only when [**SUB.W**] is set to [**ON**]. (➡ **21**)

AUDIO SETTINGS

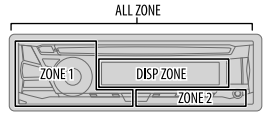
3-way crossover setting items

SPK SIZE		
TWEETER		**SML/ MID/ LRG**
MID RANGE		**3.5"/ 4"/ 4.75"/ 5"/ 6.5"/ 6.75"/ 7"/ 4×6"/ 5×7"/ 6×8"/ 6×9"**
WOOFER*		**6.5"/ 8"/ 10"/ 12"/ 15" 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*	**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**

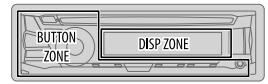
* Displayed only when [**SUB.W**] is set to [**ON**]. (➡ **21**)

DISPLAY SETTINGS

KD-R975BTS / KD-R970BTS / KD-RD97BT



KD-R97MBS / KD-R875BTS / KD-R870BT / KD-R770BT / KD-RD87BT



1. **Press and hold ⏍·☼.**
2. **Turn the volume knob to select an item (see the following table), then press the knob.**
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**

DISPLAY	
DIMMER	Dim the display and buttons illumination. **OFF**: Dimmer is turned off. **ON**: Dimmer is turned on. Brightness changes to [**NIGHT**] setting. **(➡ 25, [BRIGHTNESS])** **DIMMER TIME**: Set the dimmer on and off time. **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 or 6:00 PM [**OFF**]:6:00 or 6:00 AM) **AUTO**: Dimmer turns on and off automatically when you turn off or on the car headlights.*1

DISPLAY SETTINGS

BRIGHTNESS — Set the button and display brightness for day and night separately.
1. **DAY** / **NIGHT**: Select day or night.
2. Select a zone. **(➡ 24)**
3. Set the brightness level (**00** to **31**). (Default: **DAY**: **31** ; **NIGHT**: **15**)

SCROLL[*2] — **ONCE**: Scrolls the display information once. ; **AUTO**: Repeats scrolling at 5-second intervals. ; **OFF**: Cancels.

COLOR (for **KD-R975BTS** / **KD-R970BTS** / **KD-RD97BT**)

PRESET — Select color for display and button illumination 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**.)

[*1] The illumination control wire connection is required. **(➡ 34, 35)**
[*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.

DAY COLOR / **NIGHT COLOR** — Store your own day and night colors for different zone.
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.

COLOR GUIDE — **ON**: Changes the button and display illumination when settings are performed on menu and list search. Display zone will automatically change depending on volume level. ; **OFF**: Cancels.

COLOR (for **KD-R97MBS**)

PRESET — Select a color for the buttons illumination.
- **COLOR 01** to **COLOR 49** [**COLOR 08**]
- **USER**: The color you have created for [**DAY COLOR**] or [**NIGHT COLOR**] is shown.
- **COLOR FLOW01** to **COLOR FLOW03**: Color changes at different speeds.

DAY COLOR / **NIGHT COLOR** — Make your own day and night colors for the buttons illumination.
1. **RED** / **GREEN** / **BLUE**: Select a primary color.
2. **00** to **31**: Select the level.

Repeat steps **1** and **2** for all primary colors.
- Your setting is stored to **[USER]** in **[PRESET]**.

MENU COLOR — **ON**: Changes the button illumination in menu mode or when selecting a music file from a folder/list. ; **OFF**: Cancels.

[**NIGHT COLOR**] or [**DAY COLOR**] is changed by turning on or off your car's headlight.

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.

FM or **AM**	Frequency ⟷ Day/Clock
	(For FM Radio Broadcast Data System stations only) Station name (PS) ➡ Frequency ➡ Program type (PTY) ➡ Radio text+ ➡ Day/Clock ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
CD or **USB** / **USB FRONT** / **USB REAR**	**(For CD-DA)** Playing time ➡ Day/Clock ➡ Disc name ➡ Track title ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
	(For MP3/WMA/AAC/WAV/FLAC files) Playing time ➡ Day/Clock ➡ Album title/Artist ➡ Track title ➡ Folder/file name ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
USB-IPOD / **IPOD FRONT** / **IPOD REAR** or **ANDROID** / **ANDROID-F** / **ANDROID-R**	Playing time ➡ Day/Clock ➡ Album title/Artist ➡ Track title ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
PANDORA / **PANDORA-F** / **PANDORA-R**	Station name ➡ Shared/Radio ➡ Album title ➡ Artist ➡ Track title ➡ Playing time ➡ Day/Clock ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
IHEARTRADIO / **IHEART FRONT** / **IHEART REAR**	Station name ➡ Track title ➡ Track Artist ➡ Day/Clock ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
SIRIUS XM	Channel no./Channel name ➡ Artist ➡ Song title ➡ Content information ➡ Category name ➡ Day/Clock ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
AUX	AUX ➡ Day/Clock ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)
BT AUDIO	Playing time ➡ Day/Clock ➡ Album title/Artist ➡ Track title ➡ Level meter ➡ Level meter with brightness synchronisation*1 or Level meter with color synchronisation*2 ➡ (back to the beginning)

*1 For **KD-R875BTS** / **KD-R870BT** / **KD-R770BT** / **KD-RD87BT**: The brightness of the button illumination changes and synchronises with the sound level.

*2 For **KD-R975BTS** / **KD-R970BT** / **KD-RD97BT**: The color of the button illumination and display illumination changes and synchronises with the sound level.
For **KD-R97MBS**: The color of the button illumination changes and synchronises with the sound level.

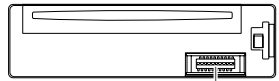
Maintenance

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.

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.

Playable files

- Playable audio file:
  KD-R975BTS / **KD-R970BTS** / **KD-R97MBS** / **KD-R875BTS** / **KD-R870BT** / **KD-RD97BT** / **KD-RD87BT**: MP3 (.mp3)/ WMA (.wma)/ AAC (.aac)
  KD-R770BT: MP3 (.mp3)/ WMA (.wma)
- 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

- This unit can play the following files stored on a USB mass storage class device:
  KD-R975BTS / **KD-R970BTS** / **KD-R97MBS** / **KD-R875BTS** / **KD-R870BT** / **KD-RD97BT** / **KD-RD87BT**: MP3/ WMA/ AAC/ WAV/ FLAC
  KD-R770BT: MP3/ WMA/ WAV/ FLAC
- 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

Made for
- iPod touch (2nd, 3rd, 4th, and 5th generation)
- iPod classic
- iPod nano (3rd, 4th, 5th, 6th, and 7th generation)
- iPhone 3G, 3GS, 4, 4S, 5, 5S, 5C, 6, 6 Plus

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

REFERENCES

- 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 Pandora

- Pandora is only available in certain countries.
- Because Pandora is a third-party service, the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired, or some or all of the services may become unavailable.
- Some functions of Pandora cannot be operated from this unit.

About iHeartRadio

- iHeartRadio® is a third-party service, therefore the specifications are subject to change without prior notice. Accordingly, compatibility may be impaired or some or all of the services may become unavailable.
- Some iHeartRadio® functionality cannot be operated from this unit.

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.

TROUBLESHOOTING

	Symptom	Remedy
General	Sound cannot be heard.	• Adjust the volume to the optimum level. • Check the cords and connections.
	"MISWIRING CHECK WIRING THEN PWR ON" appears.	Turn the power off, then check to be sure the terminals of the speaker wires are insulated properly. Turn the power on again.
	"PROTECTING SEND SERVICE" appears.	Send the unit to the nearest service center.
	Source cannot be selected.	Check the [**SRC SELECT**] setting. **(➡ 4)**
Radio	• Radio reception is poor. • Static noise while listening to the radio.	Connect the antenna firmly.
CD / USB / iPod	Disc cannot be ejected.	Press and hold ⏏ to forcibly eject the disc. Be careful not to drop the disc when it is ejected.
	"IN DISC" appears.	Make sure nothing is blocking the loading slot when you eject the disc.
	"PLEASE" and "EJECT" appear alternately.	Press ⏏, then insert the disc correctly.
	Playback order is not as intended.	The playback order is determined by the file name (USB) or the order in which files were recorded (disc).
	Elapsed playing time is not correct.	This depends on the recording process earlier.
	"NOT SUPPORT" appears and track skips.	Check whether the track is a playable format. **(➡ 27)**
	"READING" keeps flashing.	• Do not use too many hierarchical levels and folders. • Reload the disc or reattach the USB device.
	"CANNOT PLAY" flashes and/or connected device cannot be detected.	• Check whether the connected device is compatible with this unit and ensure the files are in supported formats. **(➡ 27)** • Reattach the device.

TROUBLESHOOTING

	Symptom	Remedy
CD / USB / iPod	The iPod/iPhone does not turn on or does not work.	• 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 🔍 / ⮌.	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.	• 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.
ANDROID	• Sound cannot be heard during playback. • Sound output only from the Android device.	• 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. (➡ **28**)
	Cannot playback at [**AUTO MODE**].	• Make sure JVC MUSIC PLAY APP is installed on the Android device. (➡ **7**) • Reconnect the Android device and select the appropriate control mode. (➡ **8**) • If this does not solve the problem, the connected Android device does not support [**AUTO MODE**]. (➡ **28**)
	"NO DEVICE" or "READING" keeps flashing.	• 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**]. (➡ **28**)
	Playback is intermittent or sound skips.	Turn off the power saving mode on the Android device.
	"CANNOT PLAY"	• Make sure Android device contains playable audio files. • Reconnect the Android device. • Restart the Android device.

	Symptom	Remedy
Pandora	"ADD ERROR"	New station creation is unsuccessful.
	"CHK DEVICE"	Check the Pandora application on your device.
	"NO SKIPS"	The skip limit has been reached.
	"NO STATIONS"	No stations are found.
	"STATION LMT"	The number of registered stations has reached its limit. Retry after deleting unnecessary stations from your device.
	"UPGRADE APP"	Make sure you have installed the latest version of the Pandora application on your device.
	"CONNECT ERR"	Communication is unstable.
	"RATING ERR"	Registration of thumbs up/thumbs down has failed due to insufficient network connectivity.
	"THUMBS N/A"	Registration of thumbs up/thumbs down is not allowed.
	"LICENSE ERR"	You try to access from a country which Pandora is not deliverable.
iHeartRadio	Station cannot be selected.	If "Explicit Content" in [Account Settings] is checked in the web version of iHeartRADIO, custom stations become unavailable.
	"NOT CONNCTD"	Link to the application is impossible.
SiriusXM® Radio	"CH LOCKED LOCK CODE?"	The selected channel is locked. Enter the correct pass code to unlock. (➡ **13**)
	"CHAN UNSUB"	The selected channel is unsubscribed.
	"CH UNAVAIL"	The selected channel is unavailable.

TROUBLESHOOTING

	Symptom	Remedy
SiriusXM® Radio	"CHK ANTENNA"	Check that the antenna and its connection are in good condition.
	"CHECK TUNER"	Make sure the SiriusXM Vehicle Tuner is connected to the unit.
	"NO SIGNAL"	Make sure the antenna is mounted outside the vehicle.
	"SUBSCRIPTION UPDATED – PRESS ENTER TO CONTINUE."	Your subscription is updated. Press the volume knob to continue.
	"CODE ERROR"	Make sure you have entered the correct pass code. **(➡ 13)**
	"NO CONTENT"	There is insufficient content to start TuneScan.
	"SCAN CANCEL"	TuneScan has been aborted.
Bluetooth®	No Bluetooth device is detected.	• Search from the Bluetooth device again. • Reset the unit. **(➡ 3)**
	Pairing cannot be made.	• 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. **(➡ 14)**
	Echo or noise occurs.	• Adjust the microphone unit's position. **(➡ 14)** • Check the **[ECHO CANCEL]** setting. **(➡ 16)**
	Phone sound quality is poor.	• Reduce the distance between the unit and the Bluetooth device. • Move the car to a place where you can get a better signal reception.
	Sound is being interrupted or skipped during playback of a Bluetooth audio player.	• 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.

	Symptom	Remedy
Bluetooth®	The connected Bluetooth audio player cannot be controlled.	• 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.
	"PAIRING FULL"	The number of registered devices has reached its limit. Retry after deleting an unnecessary device. **(➡ 18, DELETE PAIR)**
	"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.
	"BT DEVICE NOT FOUND"	The unit failed to search for the registered Bluetooth devices during **[AUTO CNNCT]**. Turn on Bluetooth from your device and connect manually. **(➡ 18)**
	"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.

SPECIFICATIONS

Tuner	FM	Frequency Range	87.9 MHz — 107.9 MHz (200 kHz step) 87.5 MHz — 108.0 MHz (50 kHz step)
		Channel Space Selection	50 kHz/200 kHz
		Usable Sensitivity (S/N = 26 dB)	8.2 dBf (0.71 µV/75 Ω)
		Quieting Sensitivity (DIN S/N = 46 dB)	17.2 dBf (2.0 µV/75 Ω)
		Frequency Response (±3 dB)	30 Hz — 15 kHz
		Signal-to-Noise Ratio (MONO)	64 dB
		Stereo Separation (1 kHz)	40 dB
	AM	Frequency Range	530 kHz — 1 700 kHz (10 kHz step) 531 kHz — 1 611 kHz (9 kHz step)
		Channel Space Selection	9 kHz/10 kHz
		Usable Sensitivity (S/N = 20 dB)	29 dBµ (28.2 µV)

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-R770BT**)

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 ⎓ 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-R770BT**)
	WAV Decode	Linear-PCM
	FLAC Decode	FLAC files

Auxiliary	Frequency Response (±3 dB)	20 Hz — 20 kHz
	Input Maximum Voltage	1 000 mV
	Input Impedance	30 kΩ

Bluetooth	Version	Bluetooth Ver.2.1+EDR/ 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 × 158 mm (7-3/16" × 2-1/8" × 6-1/4")
	Weight	1.1 kg (2.43 lbs)

Subject to change without notice.

INSTALLATION / CONNECTION

⚠ 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.

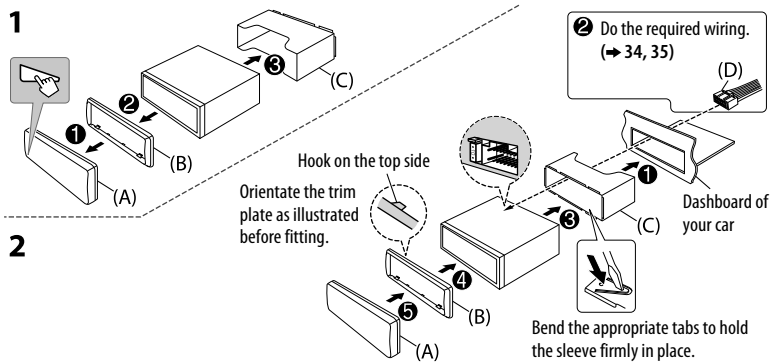
⚠ Caution

- 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. **(➡ 21)**
- 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

1. **Remove the key from the ignition switch, then disconnect the ⊖ terminal of the car battery.**
2. **Connect the wires properly.**
   See Wiring connection. **(➡ 34, 35)**
3. **Install the unit to your car.**
   See Installing the unit (in-dash mounting).
4. **Connect the ⊖ terminal of the car battery.**
5. **Press SOURCE-⏻ to turn on the power.**
6. **Detach the faceplate and reset the unit within 5 seconds. (➡ 3)**

Installing the unit (in-dash mounting)

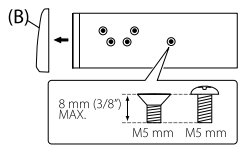


When installing without the mounting sleeve

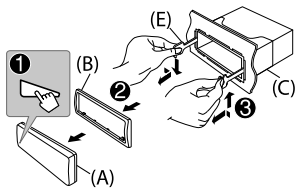
1 **Remove the mounting sleeve and trim plate from the unit.**

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



Part list for installation

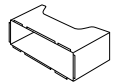
(A) Faceplate (×1)



(B) Trim plate (×1)



(C) Mounting sleeve (×1)



(D) Wiring harness (×1)



(E) Extraction key (×2)



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

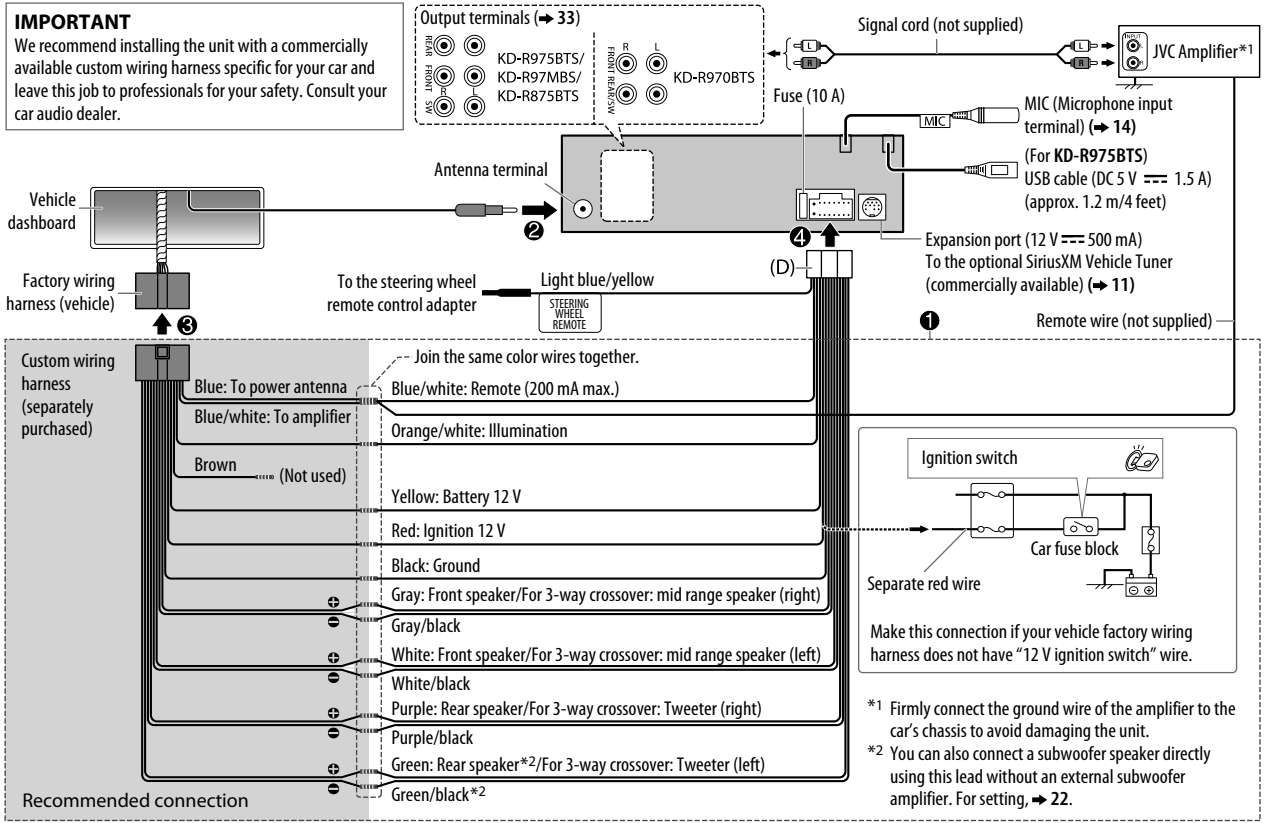
For 3-way crossover setting

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

Wiring connection (for **KD-R975BTS / KD-R970BTS / KD-R97MBS / KD-R875BTS**)

IMPORTANT

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.



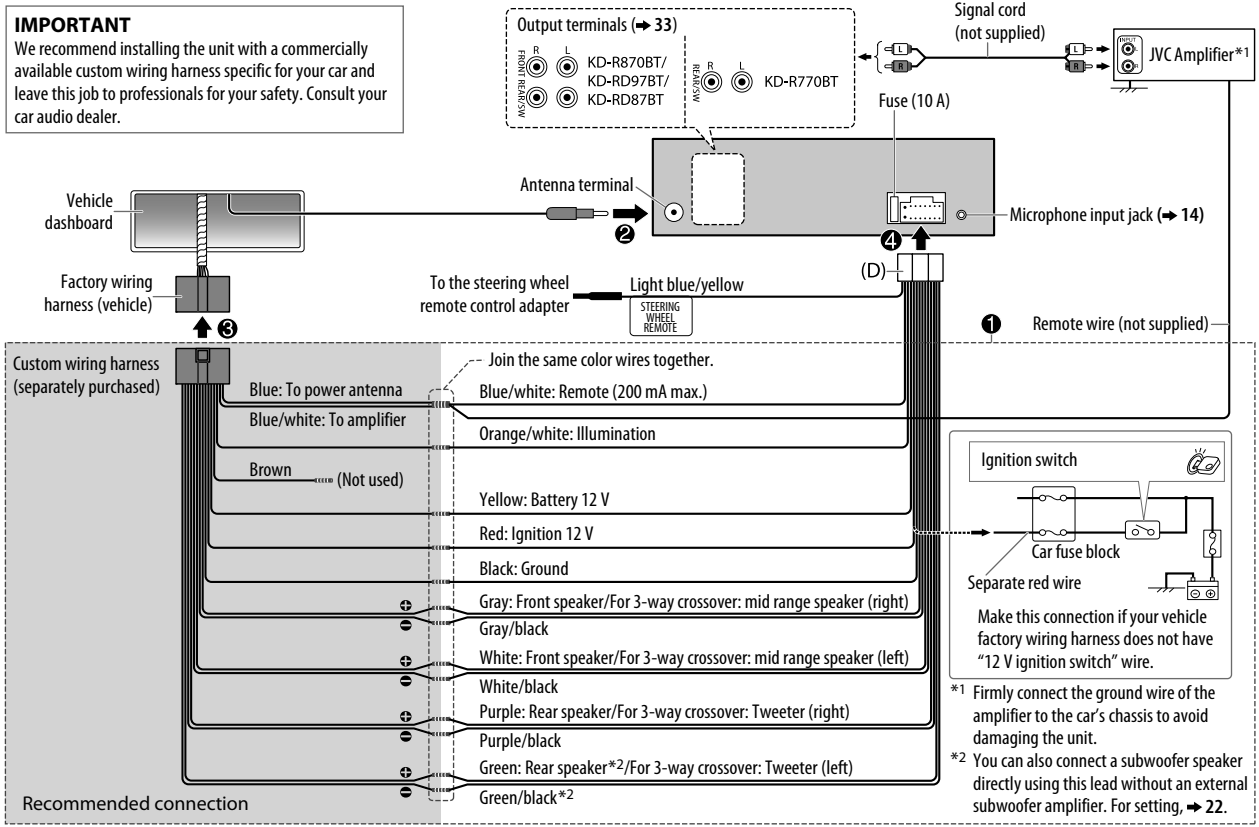
*1 Firmly connect the ground wire of the amplifier to the car's chassis to avoid damaging the unit.

*2 You can also connect a subwoofer speaker directly using this lead without an external subwoofer amplifier. For setting, ➡ **22**.

Wiring connection (for **KD-R870BT / KD-R770BT / KD-RD97BT / KD-RD87BT**)

IMPORTANT

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.



*1 Firmly connect the ground wire of the amplifier to the car's chassis to avoid damaging the unit.

*2 You can also connect a subwoofer speaker directly using this lead without an external subwoofer amplifier. For setting, ➡ **22**.

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2967-3, ISHIKAWA-MACHI,
HACHIOJI-SHI, TOKYO, JAPAN

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Location : Top Plate

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This equipment may generate or use radio frequency energy. Changes or modifications to this equipment may cause harmful interference unless the modifications are expressly approved in the instruction manual. The user could lose the authority to operate this equipment if an unauthorized change or modification is made.

FCC NOTE
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment may cause harmful interference to radio communications, if it is not installed and used in accordance with the instructions. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

IC (Industry Canada) Notice
This device complies with Industry Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:
(1) This device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.
The term "IC: " before the certification/ registration number only signifies that the Industry Canada technical specification were met.

CAUTION
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

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-jansson

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