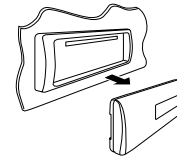


JVC

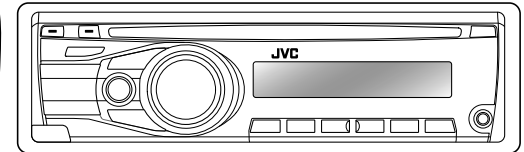


KD-R338/KD-R330

CD RECEIVER



WMA MP3



JVC

For installation and connections, refer to the separate manual.

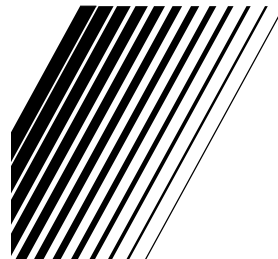
INSTRUCTIONS

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. _____



Thank you for purchasing a JVC product.

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

INFORMATION (For U.S.A.)

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

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

Caution:

Changes or modifications not approved by JVC could void the user's authority to operate the equipment.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT

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

3. **CAUTION:** (For U.S.A.) Visible and/or invisible class II laser radiation when open. Do not stare into beam.

(For Canada) Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.

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

CAUTION VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC80025-1:2001 (ENG)	ATTENTION RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	AVISO RADIACION LASER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTA ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL OPTICO. (ESP)	VARNING SYNLIG OCH/ELLER OBYNLIG LASERSTRÅLNING KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRÄKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	注意 レーザー放射が 見えるときや 見えないときも レーザー放射が あります。 直接目で観望 しないでください。 (JPN)	CAUTION VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)
--	---	--	---	---	--

Caution:

Adjust the volume so that you can hear sounds outside the car. Driving with the volume too high may cause an accident.

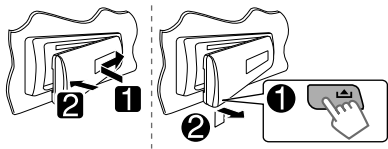
WARNING:

Stop the car before operating the unit.

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

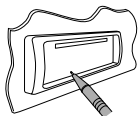
How to attach/detach the control panel



Condensation : When the car is air-conditioned, moisture may collect on the laser lens. This may cause disc read errors. In this case, remove the disc and wait for the moisture to evaporate.

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

How to reset your unit



Your preset adjustments will also be erased.

How to forcibly eject a disc



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

Maintenance

Cleaning the unit

Wipe off the dirt on the panel with a dry silicon or soft cloth. Failure to observe this precaution may result in damage to the monitor or unit.

Cleaning the connector

Wipe off dirt on the connector of the unit and panel. Use a cotton swab or cloth.

Caution for DualDisc playback:

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

Canceling the display demonstration

1 Turn on the power.



4 Select <DEMO OFF>.



6 Finish the procedure.



Setting the clock

1 Turn on the power.



3 Select <CLOCK>.



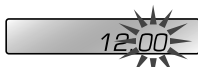
4 Select <CLOCK SET>.



5 Adjust the hour.



6 Adjust the minute.

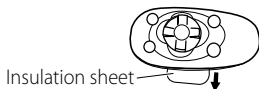


7 Finish the procedure.



Preparing the remote controller

When you use the remote controller for the first time, pull out the insulation sheet.

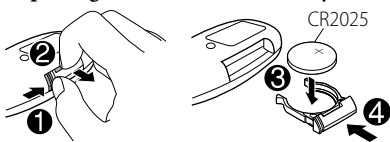


For USA-California Only:

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

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

Replacing the lithium coin battery



Caution:

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

Warning (to prevent accidents and damage):

- Do not install any battery other than CR2025 or its equivalent.
- Do not leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time.
- Store the battery in a place where children cannot reach.
- Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
- Do not leave the battery with other metallic materials.
- Do not poke the battery with tweezers or similar tools.
- Wrap the battery with tape and insulate when throwing away or saving it.

About discs

This unit can only play the CDs with:



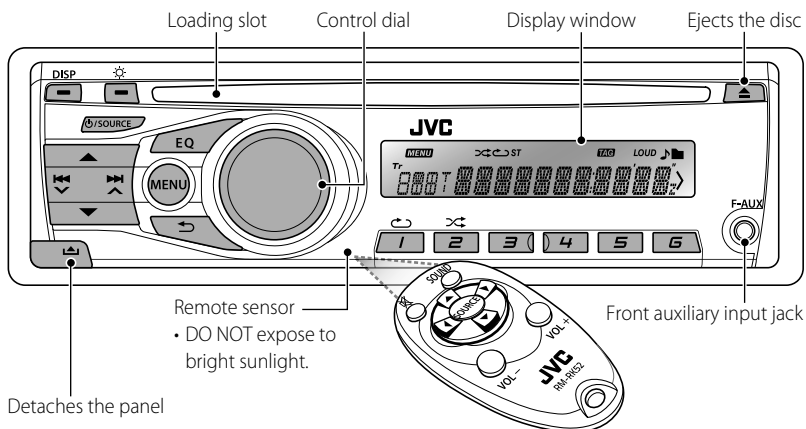
Discs that cannot be used:

- Discs that are not round.
- Discs with coloring on the recording surface or discs that are dirty.
- You cannot play a Recordable/ReWritable disc that has not been finalized. (For the finalization process refer to your disc writing software, and your disc recorder instruction manual.)
- 3-inch CD cannot be used. Attempt to insert using an adapter can cause malfunction.

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 silicon or soft cloth. Do not use any solvents.
- When removing discs from this unit, pull them out horizontally.
- Remove the rims from the center hole and disc edge before inserting a disc.

Basic operations



When you press or hold the following button(s)...

Main unit	Remote controller	General operation
⏻ / SOURCE	—	Turns on/off [Hold].
	SOURCE	Selects the sources (FM, CD, F-AUX, BT AUDIO or R-AUX or BT PHONE, AM). • "CD" is selectable only when a disc is loaded.
Control dial (turn)	VOL - / +	Adjusts the volume level.
	—	Selects items.
Control dial (press)		Mutes the sound during playback. If the source is "CD," playback pauses. • Press the button again to cancel muting or resume playback.
	—	Confirms selection.
EQ	SOUND	Selects the sound mode. • Hold the EQ button on the main unit to enter tone level adjustment directly. (page 10)
Number buttons (1 – 6)	—	• Selects preset stations. • Stores the current station into the selected number button [Hold]. • Press number button 1 (↺) or 2 (↻) to enter REPEAT/RANDOM setting directly.
	—	Enters <BRIGHTNESS> menu directly.
	—	• Returns to the previous menu. • Exit from the menu [Hold].
DISP	—	• Changes the display information. • Scrolls the display information [Hold].

Listening to the radio



⇒ "FM" or "AM"



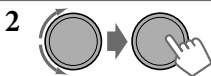
- [Press] Searches for stations automatically.
- [Hold] Searches for stations manually. "M" flashes, then press the button repeatedly.

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

Improving the FM reception



[Hold]



⇒ <TUNER> ⇒ <MONO> ⇒ <MONO ON>
Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure to select <MONO OFF>.

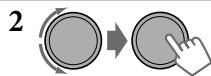
Automatic presetting (FM)— SSM (Strong-station Sequential Memory)

You can preset up to 18 stations for FM.

While listening to a station...



[Hold]



⇒ <TUNER> ⇒ <SSM> ⇒
<SSM 01 – 06 / 07 – 12 / 13 – 18>
"SSM" flashes and local stations with the strongest signal are searched and stored automatically.

To preset another 6 stations, repeat the above procedure by selecting one of the other SSM setting ranges.

Changing the display information

DISP



Frequency ↔ Clock

Manual presetting (FM/AM)

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

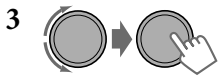


⇒ Tune in to a station you want to preset.



[Hold]

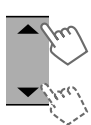
"PRESET MODE" flashes.



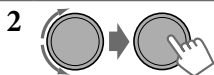
⇒ Selects preset number.
Preset number flashes and "MEMORY" appears.

- Pressing and holding the number buttons (1 – 6) can also store the current station to the selected number buttons (1 – 6).

Selecting a preset station



or



- Pressing the number buttons (1 – 6) can also select the preset stations (1 – 6).

Using the remote controller

▲/▼ : Changes the preset stations.

◀/▶ : [Press] Searches for stations automatically.

[Hold] Searches for stations manually.

Listening to a disc



Playback starts automatically.

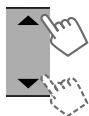
All tracks will be played repeatedly until you change the source or eject the disc.

Stopping playback and ejecting the disc



If the ejected disc is not removed within 15 seconds, it is automatically inserted into the loading slot.

Selecting a track/folder



Selects folder of the MP3/WMA



[Press] Selects track.
[Hold] Fast-forwards or reverses the track.

Using the remote controller

▲/▼ : Selects folder of the MP3/WMA.

◀/▶ : [Press] Selects track.

[Hold] Fast-forwards or reverses the track.

Changing the display information




Disc title/Album name/performer (folder name)* → Track title (file name)* → Current track number with the elapsed playing time → Current track number with the clock time → (back to the beginning)

* "NO NAME" appears for conventional CDs or if not recorded.

Selecting a track/folder from the list





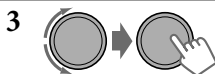
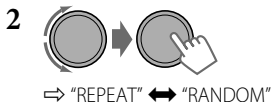
- If the MP3/WMA disc contains many tracks, you can fast search ($\pm 10, \pm 100$) through the disc by turning the control dial quickly.
- To return to the previous menu, press .

Selecting the playback modes

You can use only one of the following playback modes at a time.



- Pressing number button **1** () or **2** () can enter REPEAT/RANDOM setting directly. Then, perform step 3.



REPEAT 

TRACK RPT : Repeats current track
FOLDER RPT : Repeats current folder

RANDOM 

FOLDER RND : Randomly plays all tracks of current folder, then tracks of next folders

ALL RND : Randomly plays all tracks

To cancel repeat play or random play, select "RPT OFF" or "RND OFF."

Connecting the other external components

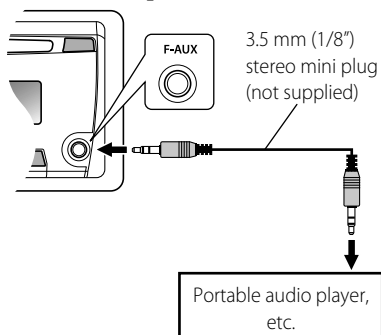
You can connect an external component to the auxiliary input jack on the control panel (F-AUX) and/or on the rear side of the unit (R-AUX).

Summary of using the external components through the auxiliary input jacks:

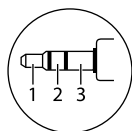
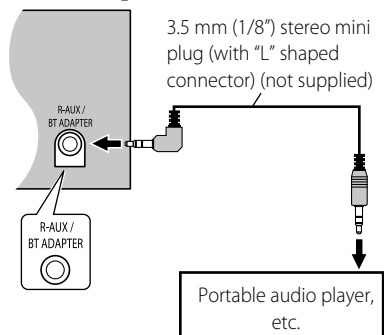
External component	Auxiliary input jack	Preparation			Source name	Connecting cable/device (not supplied)
		Menu setting item	Sub-item	Setting		
Portable audio player	Front	SRC SELECT	F-AUX	ON	F-AUX	See below.
	Rear	SRC SELECT	R-AUX	ON	R-AUX	
Bluetooth device	Rear	SRC SELECT	R-AUX	BT ADAPTER	BT AUDIO/ BT PHONE*	KS-BTA100 (page 14)

* "BT PHONE" appears when a Bluetooth phone is in use.

On the control panel (F-AUX):



On the rear panel (R-AUX):



Recommended to use a 3-terminal plug head stereo mini plug for optimum audio output.

Listening to the other external components

For details, refer also to the instructions supplied with the external components.

1



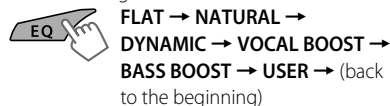
⇒ "F-AUX" or "R-AUX"

2

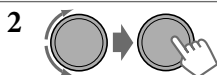
Turn on the connected component and start playing the source.

Selecting a preset sound mode

You can select a preset sound mode suitable for the music genre.



While listening, you can adjust the subwoofer and tone level of the selected sound mode.



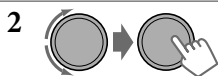
Adjust the level:

SUB.W* : 00 to 08

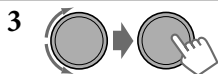
BASS/ MID/ TRE : -06 to +06

The sound mode is automatically stored and changed to "USER."

* Subwoofer level is adjustable only when <L/O MODE> is set to <SUB.W>. (page 11)



⇒ <PRO EQ> ⇒ <BASS/ MIDDLE/ TREBLE>



Adjust the sound elements of the selected tone.

BASS [Initial: 80 Hz, 00, Q1.0]

Frequency: 60/ 80/ 100/ 200 Hz

Level: -06 to +06

Q: Q1.0/ 1.25/ 1.5/ 2.0

MIDDLE [Initial: 1.0 kHz, 00, Q1.25]

Frequency: 0.5/ 1.0/ 1.5/ 2.5 kHz

Level: -06 to +06

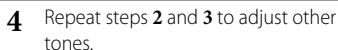
Q: Q0.75/ 1.0/ 1.25

TREBLE [Initial: 10.0 kHz, 00, Q FIX]

Frequency: 10.0/ 12.5/ 15.0/ 17.5 kHz

Level: -06 to +06

Q: Q FIX



The adjustments made is automatically stored and changed to "USER."

Storing your own sound mode

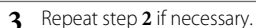
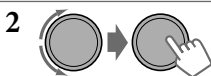
You can store your own adjustments in memory.



Menu operations



If no operation is done for about 60 seconds, the operation will be canceled.



• To return to the previous menu, press .

• To exit from the menu, press **MENU**.

Menu item	Selectable setting, [Initial: <u>Underlined</u>]
DEMO	<u>ON</u> : Display demonstration will be activated automatically if no operation is done for about 20 seconds. / OFF : Cancels. (page 4)
CLOCK	For settings, see page 4.

Menu item		Selectable setting, [<u>Initial: Underlined</u>]
DIMMER	DIMMER SET	AUTO : Changes the display and button illumination between the Day/Night adjustments in <BRIGHTNESS> setting when you turn off/on the car headlights. *1 / ON : Selects the Night adjustments in <BRIGHTNESS> setting for the display and button illumination. / OFF : Selects the Day adjustments in <BRIGHTNESS> setting for the display and button illumination.
	BRIGHTNESS	DAY [31] / NIGHT [15] : Selects the display and button illumination brightness level [00 — 31] for day and night.
DISPLAY	SCROLL *2	ONCE : Scrolls the displayed information once. / AUTO : Repeats scrolling (at 5-second intervals). / OFF : Cancels. (Pressing DISP for more than one second can scroll the display regardless of the setting.)
	TAG DISPLAY	ON : Shows the Tag information while playing MP3/WMA tracks. / OFF : Cancels.
PRO EQ		See page 10.
AUDIO	FADER *3, *4	R06 — F06 [00] : Adjusts the front and rear speaker output balance.
	BALANCE *4	L06 — R06 [00] : Adjusts the left and right speaker output balance.
	LOUD	ON : Boost low and high frequencies to produce a well-balanced sound at a low volume level. / OFF : Cancels.
	VOL ADJUST	-05 — +05 [00] : Presets the volume adjustment level of each source (except "FM"), compared to the FM volume level. The volume level will automatically increase or decrease when you change the source. Before adjustment, select the source you want to adjust. ("VOL ADJ FIX" appears on the display if "FM" is selected as the source.)
	L/O MODE	SUB.W : Selects if the REAR/SW terminals are used for connecting a subwoofer (through an external amplifier). / REAR : Selects if the REAR/SW terminals are used for connecting the speakers (through an external amplifier).
	SUB.W LPF *5	LOW 55Hz / LOW 85Hz / LOW 120Hz : Frequencies lower than 55 Hz/85 Hz/120 Hz are sent to the subwoofer.
	SUB.W LEVEL *5	00 — 08 [04] : Adjusts the subwoofer output level.
	HPF	ON : Activates the High Pass Filter. Low frequency signals are cut off from the front/rear speakers. / OFF : Deactivates (all signals are sent to the front/rear speakers).
	BEEP	ON / OFF : Activates or deactivates the keypress tone.
	TEL MUTING *6	ON : Mutes the sounds while using the cellular phone (not connected through KS-BTA100). / OFF : Cancels.

*1 The illumination control lead connection is required. (See "Installation/Connection Manual.") This setting may not work correctly on some vehicles (particularly on those having a control dial for dimming). In this case, change the setting to any other than <DIMMER AUTO>.

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

*3 If you are using a two-speaker system, set the fader level to "00."

*4 This adjustment will not affect the subwoofer output.

*5 Displayed only when <L/O MODE> is set to <SUB.W>.

*6 This setting does not work if <BT ADAPTER> is selected for <R-AUX> of the <SRC SELECT>.

Menu item		Selectable setting, [<u>Initial: Underlined</u>]
AUDIO	AMP GAIN *7	LOW POWER : VOLUME 00 – VOLUME 30 (Selects if the maximum power of each speaker is less than 50 W to prevent damaging the speakers.) / HIGH POWER : VOLUME 00 – VOLUME 50
	AREA	US : When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz. / EU : When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (50 kHz during auto search). / SA : When using in South American countries where FM interval is 50 kHz. AM interval is set to 10 kHz.
TUNER	MONO *8	See page 7.
	IF BAND	AUTO : Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) / WIDE : Subject to interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
SRC SELECT	AM *9	ON / OFF : Enable or disable “AM” in source selection.
	F-AUX *9	ON / OFF : Enable or disable “F-AUX” in source selection.
	R-AUX *9	ON / OFF : Enable or disable “R-AUX” in source selection. / BT ADAPTER *10 : Selects if the rear auxiliary input jack is connected to the Bluetooth adapter, KS-BTA100. (page 9)

*7 The volume level automatically changes to “VOLUME 30” if you change to <LOW POWER> with the volume level set higher than “VOLUME 30.”

*8 Displayed only when the source is “FM.”

*9 Displayed only when any source other than “AM/ F-AUX/ R-AUX/ BT AUDIO” is selected separately.

*10 When <BT ADAPTER> is selected, source name is changed to “BT AUDIO” from “R-AUX.”

Additional information

- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- This unit can play back files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can play back the files meeting the conditions below:
 - Bit rate: MP3: 8 kbps — 320 kbps
WMA: 32 kbps — 192 kbps
 - Sampling frequency:
MP3: 48 kHz, 44.1 kHz, 32 kHz
24 kHz, 22.05 kHz, 16 kHz
12 kHz, 11.025 kHz, 8 kHz
WMA: 48 kHz, 44.1 kHz, 32 kHz, 22.05 kHz
- This unit can show WMA Tag and ID3 Tag Version 1.0/1.1/2.2/2.3/2.4 (for MP3).
- The search function works but search speed is not constant.
- The maximum number of characters for file/folder names vary depending on the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
ISO 9660 Level 1 and 2, Romeo: 64 characters, Joliet: 32 characters, Windows long file name: 64 characters
- This unit can play back files recorded in VBR (variable bit rate). (Files recorded in VBR have a discrepancy in elapsed time indication.)
- This unit cannot play back the following files:
 - MP3 files: encoded in MP3i and MP3 PRO format; an inappropriate format; layer 1/2.
 - WMA files: encoded in lossless, professional, and voice format; not based upon Windows Media® Audio; copy-protected with DRM.
 - Files which have data such as AIFF, ATRAC3, etc.

Troubleshooting

	Symptom	Remedy/Cause
General	Sound cannot be heard from the speakers.	Adjust the volume to the optimum level. / Make sure the unit is not muted/paused. / Check the cords and connections.
	"MISWIRING CHK WIRING THEN RESET UNIT" / "WARNING CHK WIRING THEN RESET UNIT" appears on the display and no operations can be done.	Check to be sure the terminals of the speaker leads are covered with insulating tape properly, then reset the unit. (page 3) If the message does not disappear, consult your JVC car audio dealer or a company supplying kits.
	The unit does not work at all.	Reset the unit.
	"F-AUX" or "R-AUX" cannot be selected.	Check the <SRC SELECT> → <F-AUX / R-AUX> setting.
	Sound is sometimes interrupted while listening to an external component connected to the auxiliary input jack.	Check to be sure the recommended stereo mini plug is used for connection.
FM/AM	SSM automatic presetting does not work.	Store stations manually.
	Static noise while listening to the radio.	Connect the antenna firmly.
	"AM" cannot be selected.	Check the <SRC SELECT> → <AM> setting. (page 12)
Disc playback	Disc cannot be played back.	Insert the disc correctly.
	CD-R/CD-RW cannot be played back and track cannot be skipped.	Insert a finalized CD-R/CD-RW (finalize with the component which you used for recording).
	Disc sound is sometimes interrupted.	Stop playback while driving on rough roads. / Change the disc. / Check the cords and connections.
	"NO DISC" appears on the display.	Insert a playable disc into the loading slot.
	"PLEASE" and "EJECT" appear alternately on the display.	Press ▲, then insert a disc correctly.
	"IN DISC" appears on the display.	The disc cannot be ejected properly. Make sure nothing is blocking the loading slot.
MP3/WMA playback	Disc cannot be played back.	<ul style="list-style-type: none"> • Use a disc with MP3/WMA tracks recorded in a format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	Noise is generated.	Skip to another track or change the disc.
	"READING" keeps flashing on the display.	A longer readout time is required. Do not use too many hierarchical levels and folders.
	Tracks do not play back in the order you have intended them to play.	The playback order is determined when the files are recorded.
	The elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded on the disc.
	The correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.

Using Bluetooth® devices

For Bluetooth operations, it is required to connect the Bluetooth adapter, KS-BTA100 (not supplied) to the auxiliary input jack (R-AUX/BT ADAPTER) on the rear of the unit. (page 9)

- For details, refer also to the instructions supplied with the Bluetooth adapter and the Bluetooth device.
- Operations may be different according to the connected device.

Preparation

1 Register (pair) a Bluetooth device with KS-BTA100.

Refer to the instructions manual supplied with KS-BTA100.

2 Change the <SRC SELECT> settings of this unit.

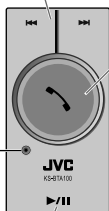


Using the Bluetooth mobile phone



KS-BTA100

Microphone



• Receiving a call

When a call comes in...

• Making a call

Making a call to the last connected number from your phone.

• Switching between handsfree and phone

While talking...



• Ends/rejects call

• Voice dialing

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

Using the Bluetooth audio device

1 SOURCE (CD receiver) ⇒ "BT AUDIO"

2

If playback does not start, operate the Bluetooth audio player to start playback.



[Press] Selects track.

[Hold] Fast-forwards or reverses the track.

About microphone volume:

- When you turn off the power of the CD receiver, the volume level changes to Normal.

Specifications

AUDIO AMPLIFIER SECTION



Power Output : 20 W RMS \times 4 Channels at 4 Ω and \leq 1% THD+N

Signal-to-Noise Ratio : 80 dBA (reference: 1 W into 4 Ω)

Load Impedance : 4 Ω (4 Ω to 8 Ω allowance)

Frequency Response : 40 Hz to 20 000 Hz

Line-Out or Subwoofer-Out Level/

Impedance : 2.5 V/20 k Ω load (full scale)

Output Impedance : \leq 600 Ω

Other Terminal : Front auxiliary input jack,
Rear auxiliary/Bluetooth adapter input jack,
Antenna terminal

TUNER SECTION

Frequency Range :

FM :

- with channel interval set to 200 kHz :
87.9 MHz to 107.9 MHz
- with channel interval set to 50 kHz :
87.5 MHz to 108.0 MHz

AM :

- with channel interval set to 10 kHz : 530 kHz
to 1 700 kHz
- with channel interval set to 9 kHz : 531 kHz
to 1 611 kHz

FM Tuner :

Usable Sensitivity : 9.3 dBf (0.8 μ V/75 Ω)

50 dB Quieting Sensitivity : 16.3 dBf
(1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz) :
65 dB

Frequency Response : 40 Hz to 15 000 Hz

Stereo Separation : 40 dB

AM Tuner :

Sensitivity/Selectivity : 20 μ V/40 dB

CD PLAYER SECTION

Type : Compact disc player

Signal Detection System : Non-contact optical pickup (semiconductor laser)

Number of Channels : 2 channels (stereo)

Frequency Response : 5 Hz to 20 000 Hz

Signal-to-Noise Ratio : 98 dB

Wow and Flutter : Less than measurable limit

MP3 Decoding Format (MPEG1/2 Audio Layer 3) : Max. Bit Rate: 320 kbps

WMA (Windows Media® Audio) Decoding Format : Max. Bit Rate: 192 kbps

GENERAL

Power Requirement : Operating Voltage :
DC 14.4 V (11 V to 16 V allowance)

Grounding System : Negative ground

Allowable Operating Temperature :
0°C to +40°C (32°F to 104°F)

Dimensions (W \times H \times D) : (approx.)

-Installation Size :
182 mm \times 52 mm \times 158 mm
(7-3/16" \times 2-1/16" \times 6-1/4")

-Panel Size :
188 mm \times 59 mm \times 9 mm
(7-7/16" \times 2-3/8" \times 3/8")

Mass : 1.2 kg (2.8 lbs) (excluding accessories)

Subject to change without notice.

If a kit is necessary for your car, consult your telephone directory for the nearest car audio speciality shop.

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