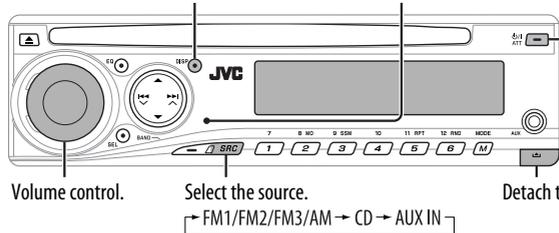


Basic operations

Control panel

Check the current clock time/other information. See also "CLK DISP" of "General settings—PSM."
Remote sensor
DO NOT expose to strong light.



- Turn on the power.
- Turn off the power [Hold].
- Attenuate the sound (if the power is on).

Display window

Playback mode / item indicator
Disc indicator
Disc information indicators
Tr (track) indicator

• **MO**: Lights up in monoaural mode.
• **ST**: Lights up when receiving an FM stereo broadcast with sufficient signal strength.

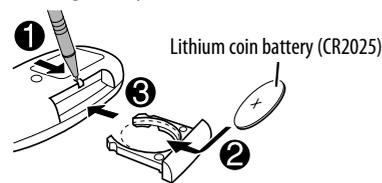
S.BASS (super bass) indicator
EQ (equalizer) indicator

Source display
Volume level indicator
Time countdown indicator

Main display (time, playback information)
Sound mode (iEQ: intelligent equalizer) indicator

Remote controller—RM-RK50

Installing battery



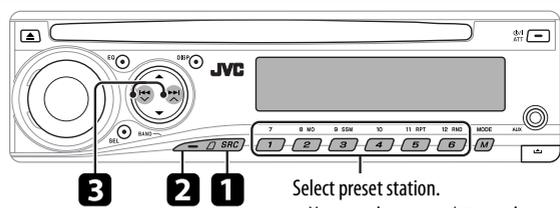
- Warning: To prevent accidents and damage**
- Do not install any battery other than CR2025 or its equivalent.
 - Store out of reach of children.
 - Do not recharge, short, or dismantle.
 - Do not dispose of in fire.
 - Do not carry around with other metallic materials.

For USA-California Only: This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

Features

- Turns the power on if pressed briefly or attenuates the sound when power is on.
- Turns the power off if pressed and held.
- Changes the FM/AM bands with ▲ U.
- Changes the preset stations with D ▼.
- Changes the folders of MP3/WMA discs.
- Adjusts the volume level.
- Selects the sound mode (iEQ: intelligent equalizer).
- Selects the source.
- Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the tracks of the disc if pressed briefly.

Radio operations



- 1 Select "FM/AM."**
- 2 Select the bands.** FM1 → FM2 → FM3 → AM
- 3 Search for a station—Auto Search.**
Manual Search: Hold either one of the buttons until "M" flashes on the display, then press it repeatedly.

When an FM stereo broadcast is hard to receive

- 1** MODE [M]
 - 2** B MO [2]
- Reception improves, but stereo effect will be lost.
• MO indicator lights up.
To restore the stereo effect, repeat the same procedure.

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

You can preset six stations for each band.



Manual presetting

Example: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.



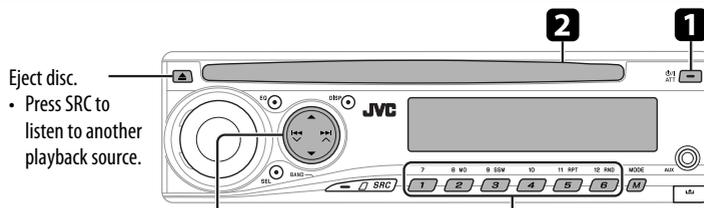
External component operations

Stereo mini plug (not supplied)
Portable MD player, etc.

You can connect an external component to the AUX (auxiliary) input jack on the control panel.

- 1** SRC [AUX IN]
- 2 Turn on the connected component and start playing the source.**

Disc operations



Eject disc.

- Press SRC to listen to another playback source.
 - [Press]: Select track (for CD) or folder* (for MP3/WMA) number (01 – 06).
 - [Hold]: Select track (for CD) or folder* (for MP3/WMA) number (07 – 12).
 - ▲ / ▼: Go to the next or previous folders (for MP3/WMA discs).
- * Folders are required to assigned with 2-digit numbers at the beginning.

- 1 Turn on the power.**
- 2 Insert disc.**
All tracks will be played repeatedly until you change the source or eject the disc.

Selecting the playback modes

After pressing MODE [M], press the following buttons to...

11 RPT [5]	TRK RPT : Plays the current track repeatedly.
	FLDR RPT* : Plays all tracks of the current folder repeatedly.
	RPT OFF : Cancels.
12 RND [6]	FLDR RND* : Plays all tracks of the current folder, then tracks of the next folder at random.
	DISC RND : Plays all tracks of the current disc at random.
	RND OFF : Cancels.

* Only for MP3/WMA.

Changing the display information

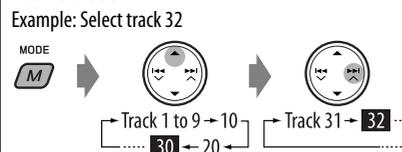
While playing an audio CD or a CD Text	While playing an MP3 or a WMA disc
<p>Disc title / performer*1</p> <p>A →</p> <p>Track title*1</p> <p>B ←</p>	<p>Album name / performer</p> <p>A → (folder name*2)</p> <p>Track title (file name*2)</p> <p>B ←</p>

A : Clock with the current track number
B : Elapsed playing time with the current track number

*1 If the current disc is an audio CD, "NO NAME" appears.
*2 If an MP3/WMA file does not have tags or "TAG DISP" is set to "TAG OFF," folder name and file name appear.

Skipping a track quickly during play

• For MP3/WMA disc, you can skip a track within the same folder.



Prohibiting disc ejection

You can lock a disc in the loading slot.



To cancel the prohibition, repeat the same procedure.

SETTINGS

Sound adjustments

EQ [USER → ROCK → CLASSIC → JAZZ → HIP HOP → POPS]

Preset values	BAS (bass)	MID (middle)	TRE (treble)	S.BS (super bass)
USER (Flat sound)	00	00	00	OFF
ROCK (Rock or disco music)	+03	00	+02	ON
CLASSIC (Classical music)	+01	00	+03	OFF
POPS (Light music)	+02	+01	+02	OFF
HIP HOP (Funk or rap music)	+04	-02	+01	ON
JAZZ (Jazz music)	+03	00	+03	OFF

Adjusting the sound

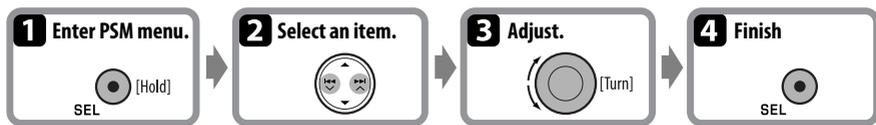
- 1** SEL [BAS → MID → TRE → FAD → VOL → SUB.W*1 → S.BS → BAL]
- 2** [Turn]

BAS *2 (bass) : Adjust the bass.	-06 to +06
MID *2 (middle) : Adjust the middle frequencies sound level.	-06 to +06
TRE *2 (treble) : Adjust the treble.	-06 to +06
FAD *3 (fader) : Adjust the front and rear speaker balance.	R06 to F06
BAL (balance) : Adjust the left and right speaker balance.	L06 to R06

S.BS *2 (super bass) : Maintain the richness and fullness of the bass sound regardless of how low you set the volume.	S.BS ON or S.BS OFF, 01 to 05*4
SUB.W (subwoofer) : Adjust the subwoofer output level.	00 to 08
VOL (volume) : Adjust the volume.	00 to 30 (or 50)*5

*1 Displayed only when "L/O MODE" is set to "WOOFER."
*2 When you adjust the bass, middle, treble, or super bass, the adjustment you have made is stored for the currently selected sound mode (iEQ) including "USER."
*3 If you are using a two-speaker system, set the fader level to "00."
*4 Range adjustment for super bass is adjustable only when it is set to "S.BS ON."
*5 Depending on the amplifier gain control setting.

General settings—PSM



Indication	Item (__ : Initial)	Setting
DEMO	• DEMO ON • DEMO OFF	: Display demonstration will be activated automatically if no operation is done for about 20 seconds. : Cancels.
CLK DISP *1	• ON • OFF	: Clock time is shown on the display at all times when the power is turned off. : Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off.
CLOCK H (Hour)	1 – 12	: [Initial: 1 (1:00)]
CLOCK M (Minute)	00 – 59	: [Initial: 00 (1:00)]
DIMMER	• ON • OFF	: Dims the display illumination. : Cancels.
SCROLL	• ONCE • AUTO • OFF	: Scrolls the disc information once. : Repeats scrolling (at 5-second intervals). : Cancels. • Pressing DISP for more than one second can scroll the display regardless of the setting.
WOOFER *2	• LOW • MID • HIGH	: Frequencies lower than 90 Hz are sent to the subwoofer. : Frequencies lower than 135 Hz are sent to the subwoofer. : Frequencies lower than 180 Hz are sent to the subwoofer.
L/O MODE	• REAR • WOOFER	: Select if the REAR LINE OUT terminals are used for connecting the speakers (through an external amplifier). : Select if the REAR LINE OUT terminals are used for connecting a subwoofer.
AUX ADJ	A.ADJ 00 – A.ADJ 05	: Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source from external component connected to the AUX input jack on the control panel.
TAG DISP	• TAG ON • TAG OFF	: Shows the tag while playing MP3/WMA tracks. : Cancels.
AMP GAIN *3	• LOW PWR • HIGH PWR	: VOL 00 – VOL 30 (Select if the maximum power of each speaker is less than 50 W to prevent the speaker from being damaged.) : VOL 00 – VOL 50
AREA	• AREA US • AREA SA • AREA EU	: When using in North/Central/South America. AM/FM intervals are set to 10 kHz/200 kHz. : When using in South American countries where FM interval is 100 kHz. AM interval is set to 10 kHz. : When using in any other areas. AM/FM intervals are set to 9 kHz/50 kHz (100 kHz during auto search).

*1 If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "OFF" to save the car's battery.

*2 Displayed only when "L/O MODE" is set to "WOOFER."

*3 The volume level automatically changes to "VOL 30" if you change to "LOW PWR" while the volume level is set higher than "VOL 30."

TROUBLESHOOTING

	Symptoms	Remedies/Causes
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The buttons on the unit do not work as you intended.	If you press M MODE, some buttons work differently from its original function. Wait for 5 seconds or press M MODE again.
	• This unit does not work at all.	Reset the unit.
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
Disc playback	• Disc ejects.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can be neither played back nor ejected.	• Unlock the disc. • Eject the disc forcibly.
	• 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.
MP3/WMA playback	• Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in the 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. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• A longer readout time is required ("CHECK" keeps flashing on the display).	Do not use too many hierarchies and folders.
	• Tracks are not played back in the order you have intended.	Playback order is determined when the files are recorded.
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.
	• "PLEASE" and "EJECT" appear alternately on the display. • Correct characters are not displayed (e.g. album name).	Insert a disc that contains MP3/WMA tracks. This unit can only display alphabets (upper case), numbers, and a limited number of symbols.

• Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

SPECIFICATIONS

Audio amplifier section

Power Output:
20 W RMS × 4 Channels at 4 Ω and ≤ 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)
Tone Control Range:
Bass: ±12 dB at 60 Hz
Middle: ±12 dB at 1 kHz
Treble: ±12 dB at 7.5 kHz
Frequency Response: 40 Hz to 20 000 Hz
Line-Out Level/Impedance: 2.5 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Subwoofer-Out Level/Impedance: 2.5 V/20 kΩ load (full scale)

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

Tuner section

Frequency Range:
FM: 87.5 MHz to 107.9 MHz
(with channel interval set to 100 kHz or 200 kHz)
87.5 MHz to 108.0 MHz
(with channel interval set to 50 kHz)
AM: 530 kHz to 1 710 kHz
(with channel interval set to 10 kHz)
531 kHz to 1 602 kHz
(with channel interval set to 9 kHz)

[FM Tuner]
Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity: 16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB

[AM Tuner]
Sensitivity/Selectivity: 20 μV/35 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
Dynamic Range: 96 dB
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

Having TROUBLE with operation?
Please reset your unit
Still having trouble??
Call 1-800-252-5722 (USA ONLY)
http://www.jvc.com

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 × H × D):
Installation Size (approx.):
182 mm × 52 mm × 158 mm
(7-3/16" × 2-1/16" × 6-1/4")
Panel Size (approx.):
187 mm × 58 mm × 13 mm
(7-3/8" × 2-5/16" × 9/16")
Mass (approx.):
1.2 kg (2.7 lbs) (excluding accessories)

Design and specifications are subject to change without notice.

PREPARATION



This unit is designed to operate on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

Prepare this before installation



WARNINGS



To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit.

- **Be sure to ground this unit to the car's chassis again after installation.**

Notes:

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- It is recommended to connect to the speakers with maximum power of more than 50 W (both at the rear and at the front, with an impedance of **4 Ω to 8 Ω**). If the maximum power is less than 50 W, change "AMP GAIN" setting to prevent the speakers from being damaged (see "General settings—PSM").
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.



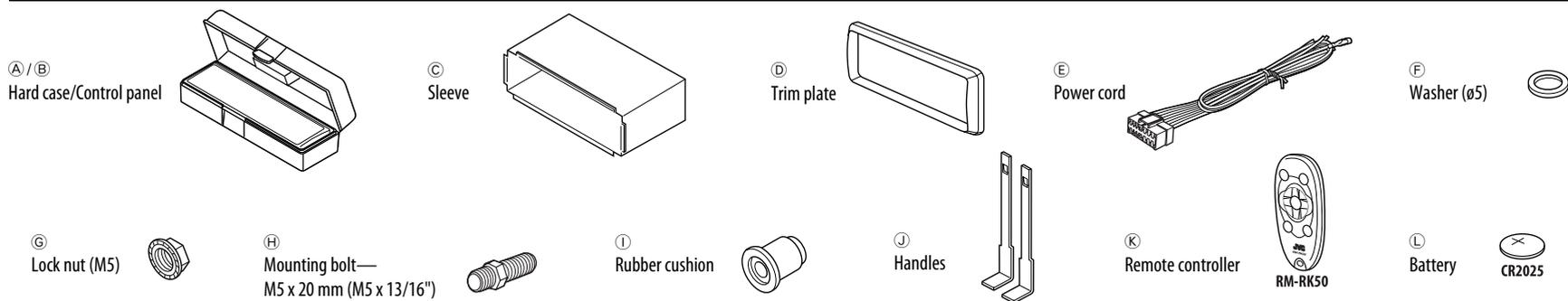
Heat sink

TROUBLESHOOTING



- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the "—" terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **This unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the "—" terminals of L and R speakers grounded in common?
- **This unit does not work at all.**
 - * Have you reset your unit?

Parts list for installation and connection



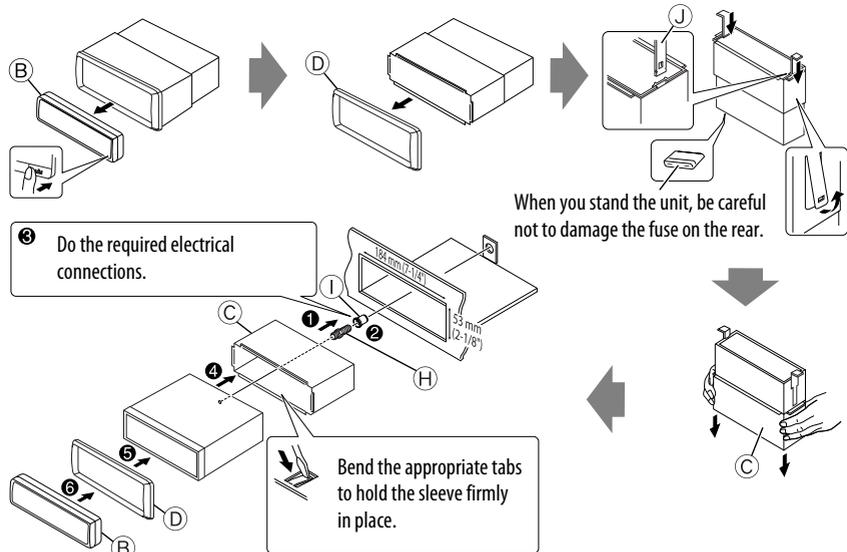
INSTALLATION



The following illustration shows a typical installation. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

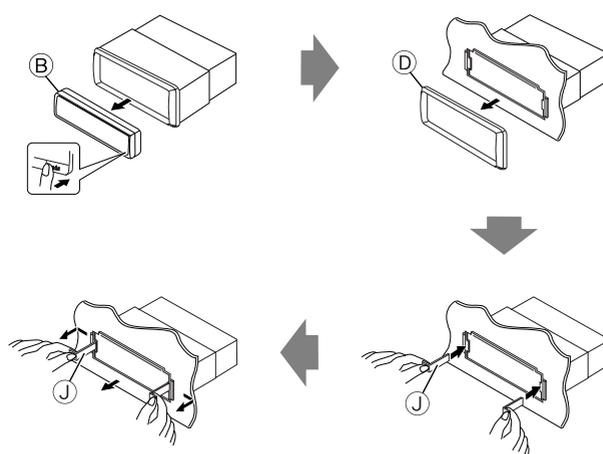
- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

In dash-mounting

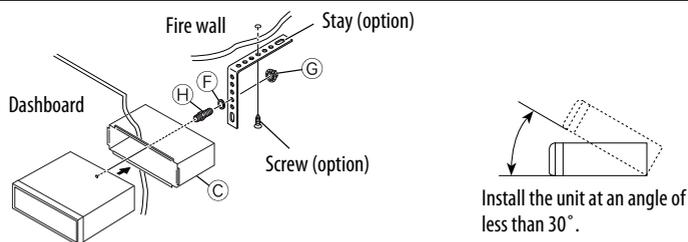


Removing the unit

Before removing the unit, release the rear section.



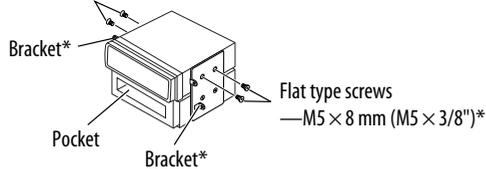
When using the optional stay



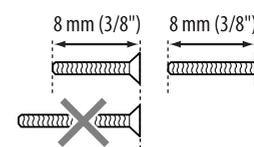
When installing the unit without using the sleeve

In a Toyota car for example, first remove the car radio and install the unit in its place.

Flat type screws—M5 × 8 mm (M5 × 3/8")*



* Not supplied for this unit.



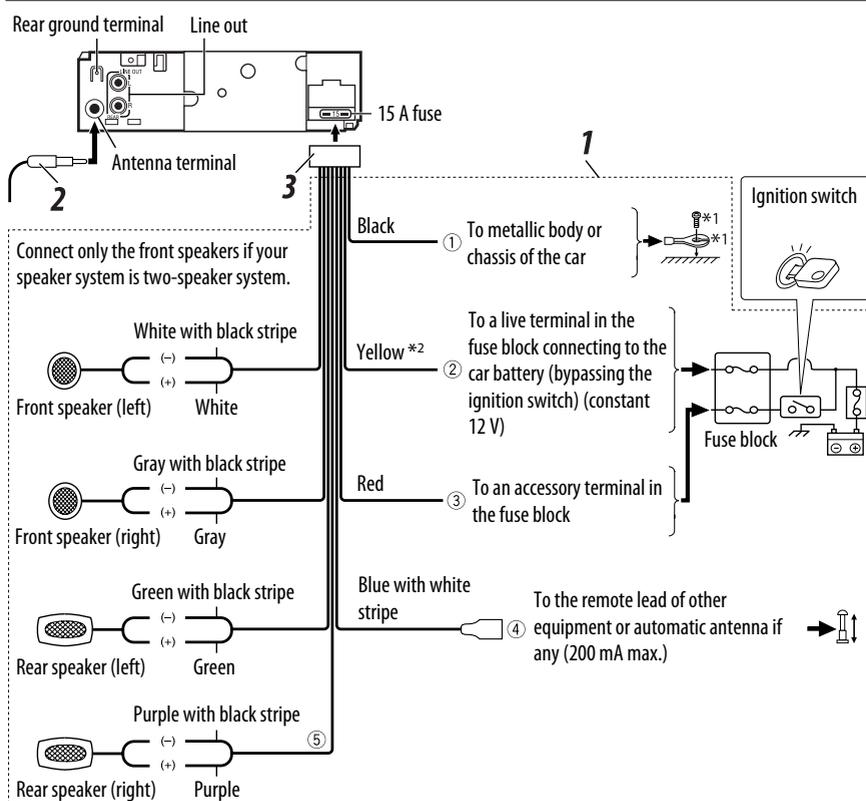
ELECTRICAL CONNECTIONS



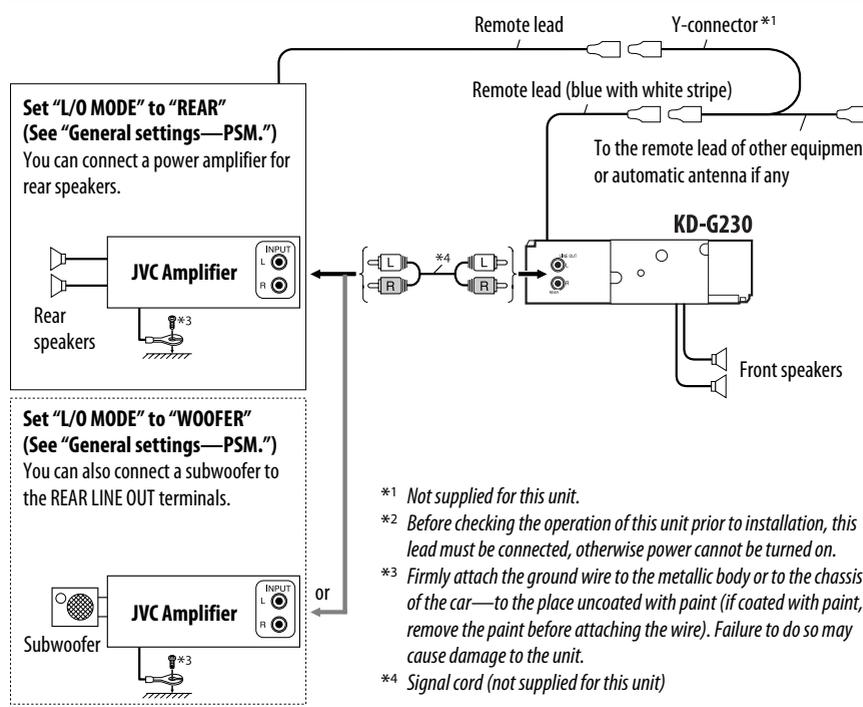
Typical connections

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit. The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Finally connect the wiring harness to the unit.



Connecting the external amplifier or subwoofer



- PRECAUTIONS on power supply and speaker connections:**
- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
 - BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

