

JVC



ENGLISH

ESPAÑOL

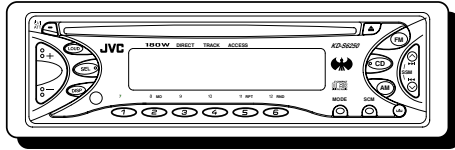
FRANÇAIS

CD RECEIVER
RECEPTOR CON CD
RECEPTEUR CD

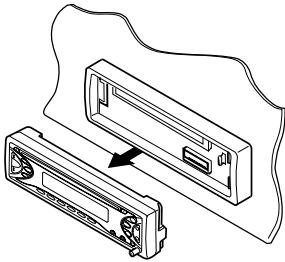
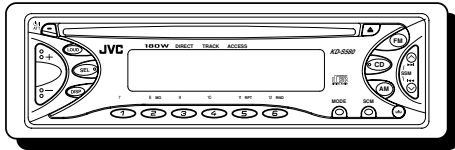
KD-S6250/S580



KD-S6250



KD-S580



For installation and connections, refer to the separate manual.
Para la instalación y las conexiones, refiérase al manual separado.
Pour l'installation et les raccordements, se référer au manuel séparé.

COMPACT
disc
DIGITAL AUDIO

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'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. _____

GET0064-001A

[J]

INFORMATION (For USA)

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.

IMPORTANT FOR LASER PRODUCTS**Precautions:**

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the top cover. There are no user-serviceable parts inside. Leave all servicing to qualified service personnel.
4. **CAUTION:** This CD player uses invisible laser radiation, however, is equipped with safety switches to prevent radiation emission when unloading CDs. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

How to reset your unit

Press and hold both the SEL (Select) and O/I/ATT (Standby/On/Attenuator) buttons at the same time for several seconds.

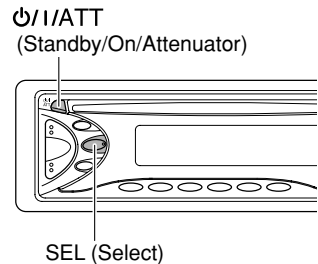
This will reset the built-in microcomputer.

NOTES:

Your preset adjustments — such as preset channels or sound adjustments — will also be erased.

If a CD is in the unit, it will eject when you reset the unit.

Pay attention not to drop the CD.



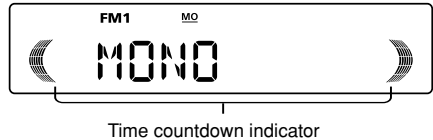
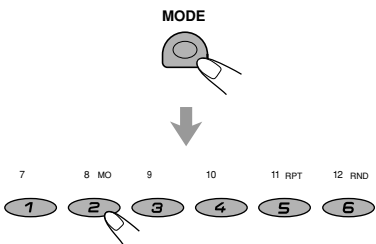
Thank you for purchasing a JVC product. Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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How to use the number buttons:

If you press MODE, the unit goes into functions mode and the number buttons work as different function buttons.



To use these buttons as number buttons again after pressing MODE, wait for 5 seconds without pressing any number button until the functions mode is cleared.

- Pressing MODE again also clears the functions mode.

BEFORE USE

* For safety....

- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

* Temperature inside the car....

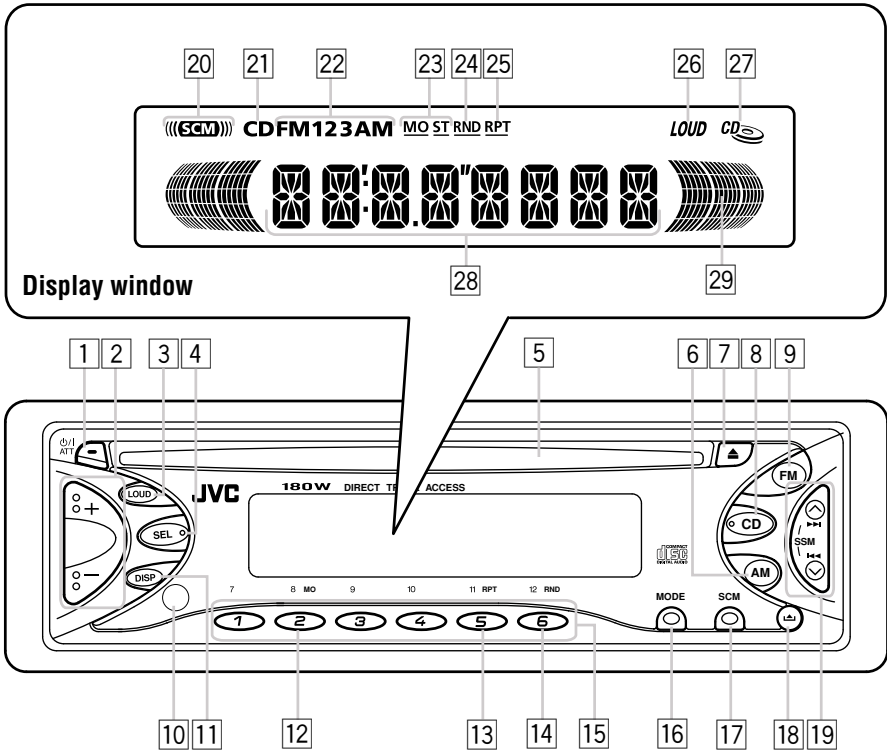
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

ENGLISH

Control panel



- 1 ϕ /I/ATT (Standby/On/Attenuator) button
- 2 +/- button
- 3 LOUD (Loudness) button
- 4 SEL (Select) button
- 5 Loading slot
- 6 AM button
- 7 \blacktriangle (Eject) button
- 8 CD button
- 9 FM button
- 10 Remote sensor (only for KD-S6250)
- 11 DISP (Display) button
- 12 MO (Monaural) button
- 13 RPT (Repeat) button
- 14 RND (Random) button
- 15 Number buttons
- 16 MODE button
- 17 SCM (Sound control memory) button
- 18 \blacktriangle (Control panel release) button
- 19 $\blacktriangle\blacktriangle\blacktriangle$ / \blacktriangle $\blacktriangle\blacktriangle\blacktriangle$ buttons

- Also functions as SSM buttons when pressed together.

Display window

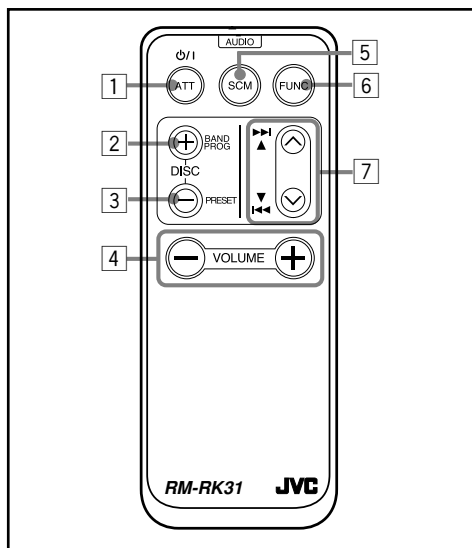
- 20 "SCM" indicator
- 21 CD indicator
- 22 Band indicators
FM1, FM2, FM3
AM
- 23 Tuner reception indicators
MO (Monaural), ST (Stereo)
- 24 RND (Random) indicator
- 25 RPT (Repeat) indicator
- 26 LOUD indicator
- 27 CD-in indicator
- 28 Main display
- 29 Volume level indicator



Remote controller

(only for KD-S6250)

This section is only for KD-S6250.



- 1 • Turns on the unit if pressed when the unit is turned off.
 - Turns off the unit if pressed and held until "SEE YOU" appears on the display.
 - Drops the volume level in a moment if pressed briefly.
Press again to resume the volume.
- 2 • Functions as the BAND button while listening to the FM broadcast.
Each time you press the button, the band changes.
 - Does not function as the PROG/DISC + button.
- 3 • Functions as the PRESET button while listening to the radio.
Each time you press the button, the preset station number increases, and the selected station is tuned into.
 - Does not function as the DISC – button.

- 4 Functions the same as the + and – buttons on the main unit.

Note: These buttons cannot be used for the clock (CLOCK H, CLOCK M), SCM LINK and LEVEL (see pages 17 and 18).

- 5 Selects the sound mode.
Each time you press the button, the mode changes.
- 6 Selects the source.
Each time you press the button, the source changes.
- 7 • Searches stations while listening to the radio.
 - Fast-forwards or reverses the track if pressed and held while listening to a CD.
 - Skips to the beginning of the next tracks or goes back to the beginning of the current (or previous tracks) if pressed briefly while listening to a CD.



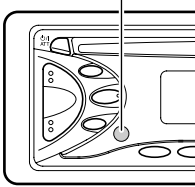
Preparing the remote controller

This section is **ONLY FOR KD-S6250**.

Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.

Remote sensor



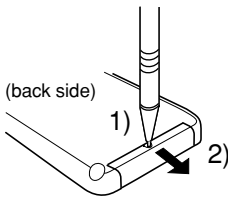
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).

Installing the battery

When the controllable range or effectiveness of the remote controller decreases, replace the battery.

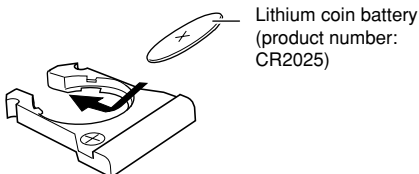
1 Remove the battery holder.

- 1) Push out the battery holder in the direction indicated by the arrow using a ball point pen or a similar tool.
- 2) Remove the battery holder.



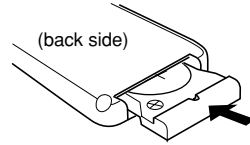
2 Place the battery.

Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.



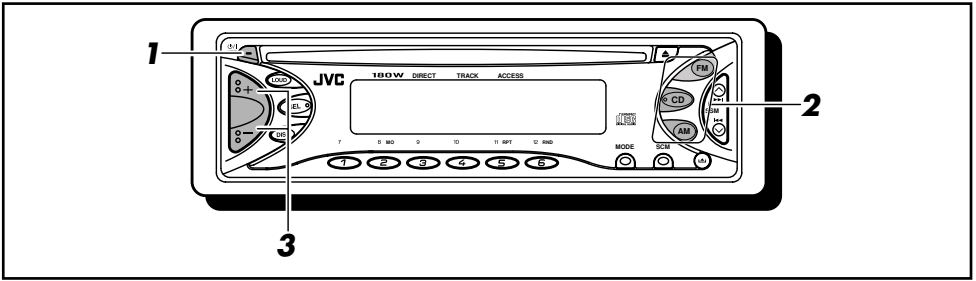
3 Return the battery holder.

Insert again the battery holder pushing it until you hear a clicking sound.



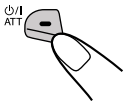
WARNING:

- Store the batteries in a place which children cannot reach.
If a child accidentally swallows the battery, consult a doctor immediately.
- Do not recharge, short, disassemble or heat the batteries or dispose it in a fire.
Doing any of these things may cause the batteries to give off heat, crack or start a fire.
- Do not leave the batteries with other metallic materials.
Doing this may cause the batteries to give off heat, crack or start a fire.
- When throwing away or saving the batteries, wrap it in tape and insulate; otherwise, the batteries may start to give off heat, crack or start a fire.
- Do not poke the batteries with tweezers or similar tools.
Doing this may cause the batteries to give off heat, crack or start a fire.



Turning on the power

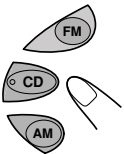
1 Turn on the power.



Note on One-Touch Operation:

When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

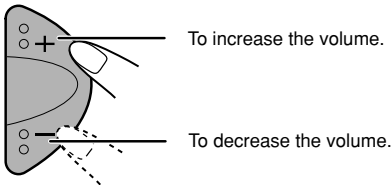
2 Select the source.



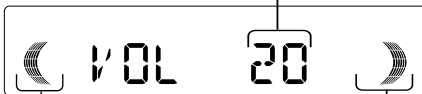
To operate the tuner (FM or AM),
see pages 8 – 10.

To operate the CD,
see pages 11 – 13.

3 Adjust the volume.



Volume level appears



Volume level indicator
(see page 18)

4 Adjust the sound as you want (see pages 14 – 16).

To drop the volume in a moment

Press $\phi/1/ATT$ briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

To resume the previous volume level, press the button briefly again.

To turn off the power

Press and hold $\phi/1/ATT$ until "SEE YOU" appears on the display.

Note:

When you use this unit for the first time, set the built-in clock correctly, see page 17.

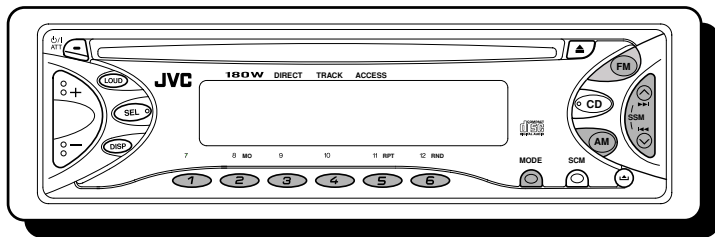
CAUTION on volume setting

CDs produce very little noise compared with other sources. If the volume level is adjusted for the tuner, for example, the speakers may be damaged by the sudden increase in the output level. Therefore, lower the volume before playing a disc and adjust it as required during playback.



RADIO BASIC OPERATIONS

ENGLISH

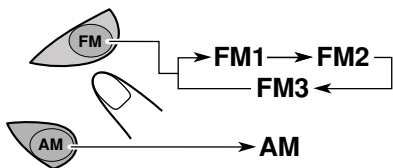


Listening to the radio

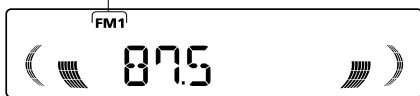
You can use either automatic searching or manual searching to tune into a particular station.

Searching a station automatically: Auto search

- 1** Select the band (FM 1 – 3, AM).



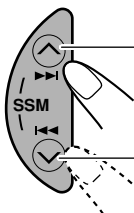
Selected band appears



Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

- 2** Start searching a station.



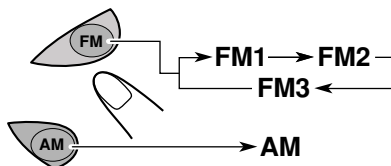
Press $\wedge \blacktriangleright \blacktriangleright$ to search stations of higher frequencies.

Press $\blacktriangleleft \blacktriangleleft \vee$ to search stations of lower frequencies.

To stop searching before a station is received, press the same button you have pressed for searching.

Searching a station manually: Manual search

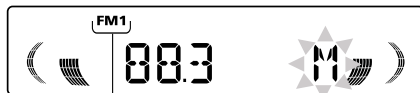
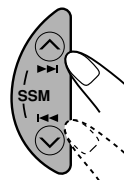
- 1** Select the band (FM 1 – 3, AM).



Note:

This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

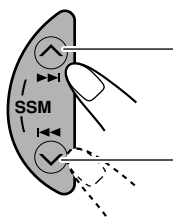
- 2** Press and hold $\wedge \blacktriangleright \blacktriangleright$ or $\blacktriangleleft \blacktriangleleft \vee$ until "M" starts flashing on the display.



Selected band appears

When a station is received, searching stops.

3 Tune into a station you want while “M” is flashing.



Press to search stations of higher frequencies.

Press to search stations of lower frequencies.

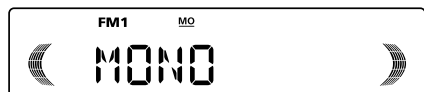
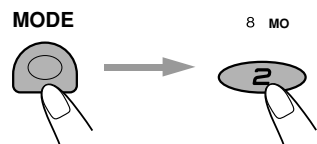
- If you release your finger from the button, the manual mode will automatically turn off after 5 seconds.
- If you hold down the button, the frequency keeps changing until you release the button.

When an FM stereo broadcast is hard to receive:

1 Press MODE to enter the functions mode while listening to an FM stereo broadcast.

2 Press MO (monaural), while still in the functions mode, so that the MO indicator lights up on the display.

Each time you press the button, the MO indicator lights up and goes off alternately.



When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved (the ST indicator goes off).

Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

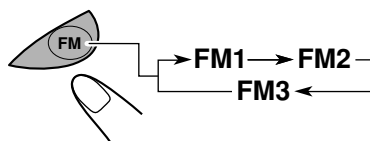
- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

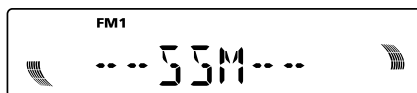
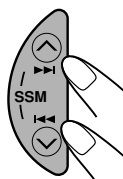
You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).

1 Select the band (FM1 – 3) you want to store FM stations into.

- Each time you press the button, the FM band changes as follows:



2 Press and hold both buttons for more than 2 seconds.



“SSM” appears, then disappears when automatic preset is over.

Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3.) These stations are preset in the number buttons – No.1 (lowest frequency) to No.6 (highest frequency). When automatic preset is over, the station stored in number button 1 will be automatically tuned in.



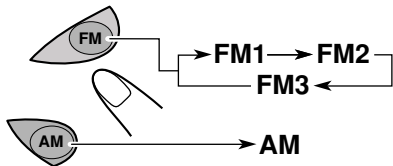
Manual preset

You can preset up to 6 stations in each band (FM1, FM2, FM3 and AM) manually.

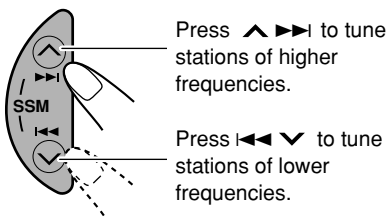
Ex: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band.

1 Select the band (FM1 – 3, AM) you want to store FM stations into (in this example, FM1).

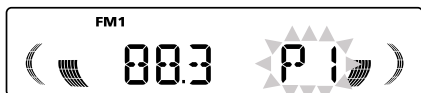
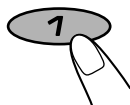
- Each time you press the button, the FM band changes as follows:



2 Tune into a station of 88.3 MHz.



3 Press and hold the number button (in this example, 1) for more than 2 seconds.



"P1" flashes for a few seconds.

4 Repeat the above procedure to store other stations into other preset numbers.

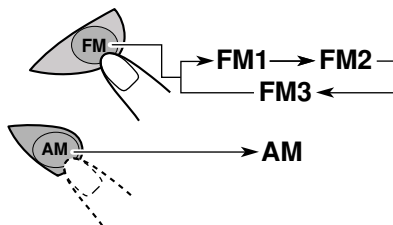
Notes:

- A previously preset station is erased when a new station is stored in the same preset number.
- Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.

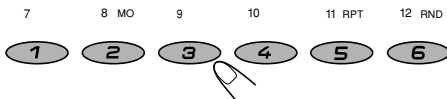
Tuning into a preset station

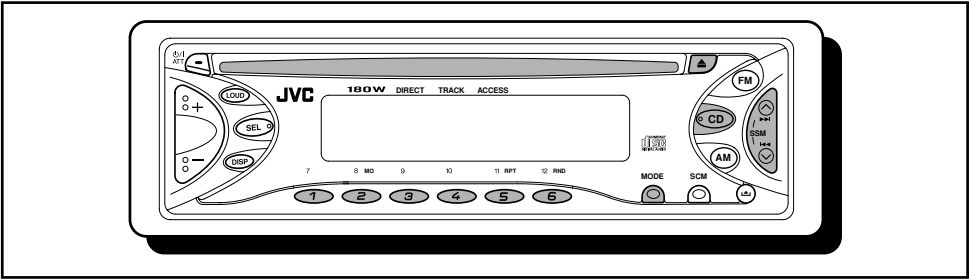
You can easily tune into a preset station. Remember that you must store stations first. If you have not stored them yet, see "Storing stations in memory" on page 9 and 10.

1 Select the band (FM1 – 3, AM).



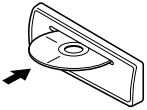
2 Select the number (1 – 6) for the preset station you want.





Playing a CD

1 Insert a disc into the loading slot.



The unit turns on, draws a CD and starts playback automatically.

Note:

When a CD is inserted upside down, the CD automatically ejects.

To stop play and eject the CD

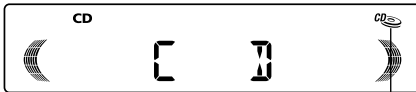
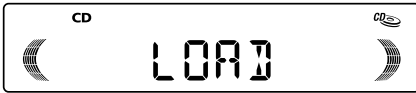
Press ▲.

CD play stops and the CD automatically ejects from the loading slot.

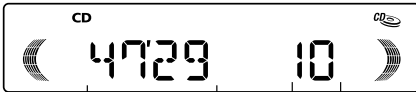
If you change the source, the CD play also stops (without ejecting the CD this time).

Notes:

- If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)
- You can eject the CD even when the unit is turned off.

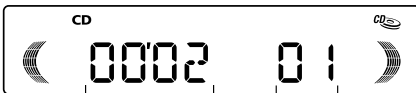


The CD-in indicator lights up



Total playing time of the inserted disc

Total track number of the inserted disc



Elapsed playing time

Current track

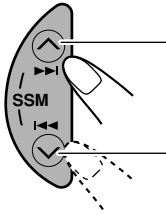
Note on One-Touch Operation:

When a CD is already in the loading slot, pressing CD turns on the unit and starts playback automatically.



Locating a track or a particular portion on a CD

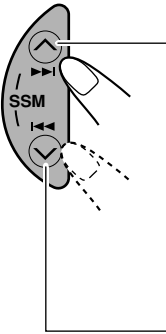
To fast-forward or reverse the track



Press and hold **▲▶▶**, while playing a CD, to fast forward the track.

Press and hold **◀◀▼**, while playing a CD, to reverse the track.

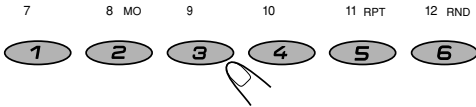
To go to the next tracks or the previous tracks



Press **▲▶▶** briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press **◀◀▼** briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the previous tracks is located and played back.

To go to a particular track directly



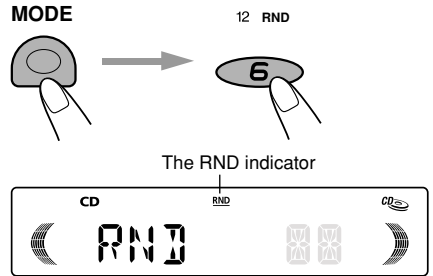
Press the number button corresponding to the track number to start its playback.

- To select a track number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a track number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than 1 second.

Selecting CD playback modes

To play back tracks at random (Random Play)

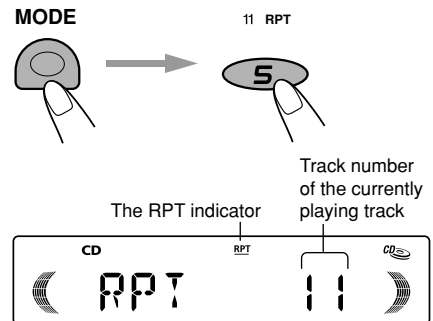
- Press **MODE** to enter the functions mode while playing a CD. This unit enters the functions mode.
- Press **RND** (Random), while still in the functions mode, so that the **RND** indicator lights up on the display. Then, each time you press the button, CD random play mode turns on and off alternately.



When the random mode is turned on, the **RND** indicator lights up on the display and a track randomly selected starts playing.

To play back tracks repeatedly (Repeat Play)

- Press **MODE** to enter the functions mode while playing a CD. This unit enters the functions mode.
- Press **RPT** (Repeat), while still in the functions mode, so that the **RPT** indicator lights up on the display. Then, each time you press the button, CD repeat play mode turns on and off alternately.



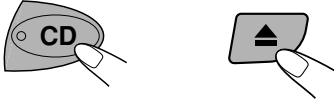
When the repeat mode is turned on, the **RPT** indicator lights up on the display.



Prohibiting CD ejection

You can prohibit the CD ejection and can lock a CD in the loading slot.

Press and hold CD and ▲ for more than 2 seconds.



“EJECT” flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.

To cancel the prohibition and “unlock” the CD, press and hold CD and ▲ again for more than 2 seconds. “EJECT” appears on the display, and the CD ejects from the loading slot.



SOUND ADJUSTMENTS

ENGLISH

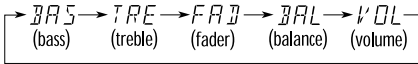
Adjusting the sound

You can adjust the sound characteristics to your preference.

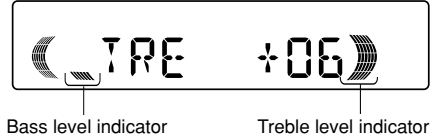
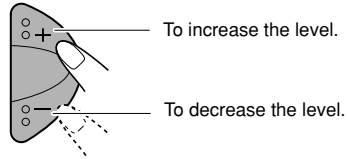
1 Select the item you want to adjust.



Each time you press the button, the adjustable items change as follows:



2 Adjust the level



Indication	To do:	Range
BAS (Bass)	Adjust the bass.	-06 (min.) +06 (max.)
TRE (Treble)	Adjust the treble.	-06 (min.) +06 (max.)
FAD (Fader)*	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL (Balance)	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
VOL (Volume)	Adjust the volume.	00 (min.) 50 (max.)

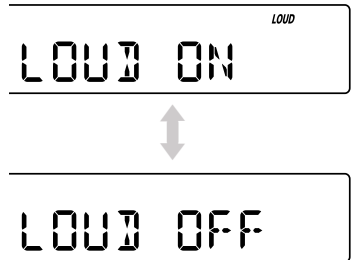
Note:

Normally the + and - buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

Turning on/off the loudness function

The human ear is less sensitive to low and high frequencies at low volumes.

The loudness function can boost these frequencies to produce well-balanced sound at low volume level. Each time you press LOUD, the loudness function turns on and off alternatively.



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

Using the Sound Control Memory (SCM)

You can select and store a preset sound adjustment suitable to each playback source. (**Advanced SCM**)

Selecting and storing the sound modes

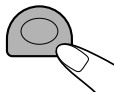
Once you select a sound mode, it is stored in memory. It will be recalled every time you select the same source and will be shown on the display. A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM, CD.

- If you do not want to store the sound mode separately for each playback source, but want to use the same sound mode for all the sources, see “To cancel Advanced SCM” on page 17.

Select the sound mode you want.

- Each time you press the button, the sound mode changes as follows.

SCM

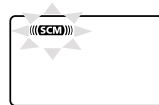
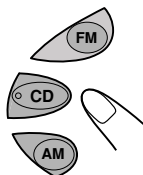


→ SCM OFF → BEAT → SOFT → POP →

- When “SCM LINK” is set to “LINK ON”, the selected sound mode can be stored in memory for the current source and the effect applies only to the current source.
- When “SCM LINK” is set to “LINK OFF”, the selected sound mode effect applies to any source.

Recalling the sound modes

When “SCM LINK” is set to “LINK ON,” select the source.



Each time you change the playback source, the SCM indicator flashes on the display.

The sound mode stored in memory for the selected source is recalled.

Notes:

- You can adjust each sound mode to your preference, and store it in memory.
If you want to adjust and store your original sound mode, see “Storing your own sound adjustment” on page 16.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 14. (Your adjustments will be cancelled if another source is selected.)

Indication	For:	Preset values		
		Bas	TRE	LOUD
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+02	00	On
SOFT	Quiet background music	+01	-03	Off
POP	Light music	+04	+01	Off



Storing your own sound adjustment

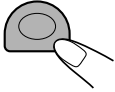
You can adjust the sound modes (BEAT, SOFT, POP: see page 15) to your preference and store your own adjustments in memory.

- There is a time limit in doing the following procedure. If the setting is cancelled before you finish, start from step 1 again.

1 Call up the sound mode you want to adjust.

See page 15 for details.

SCM

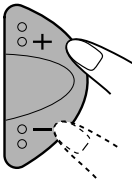


2 Select "BAS" (bass) or "TRE" (treble).



3 Adjust the bass or treble level.

See page 14 for details.



4 Repeat steps 2 and 3 to adjust the other items.

5 To turn ON/OFF the loudness function.

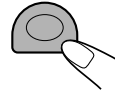
See page 14 for details.



6 Press and hold SCM until the sound mode you have selected in step 1 flashes on the display.

Your adjustment made for the selected sound mode is stored in memory.

SCM



7 Repeat the same procedure to store other sound modes.

To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 15.

Setting the clock

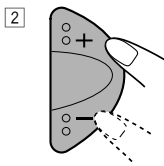
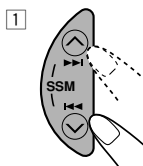
1 Press and hold SEL (Select) for more than 2 seconds.

“CLOCK H”, “CLOCK M”, “SCM LINK” or “LEVEL” appears on the display.



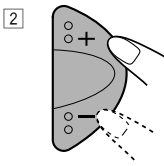
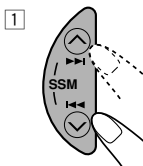
2 Set the hour.

- 1 Select “CLOCK H” if not shown on the display.
- 2 Adjust the hour.



3 Set the minute.

- 1 Select “CLOCK M.”
- 2 Adjust the minute.



4 Press SEL (select) to finish the setting.



To check the current clock time (changing the display mode)

Press DISP repeatedly. Each time you press the button, the display mode changes as follows.

During tuner operation:

Frequency ↔ Clock

During CD operation:

Elapsed playing time ↔ Clock

- If the unit is not in use when you press DISP, the power turns on, the clock time is shown for 5 seconds, then the power turns off.

To Cancel Advanced SCM

You can cancel the Advanced SCM (Sound Control Memory), and unlink the sound modes and the playback sources.

When shipped from the factory, a different sound mode can be stored in memory for each source so that you can change the sound modes simply by changing the sources.

LINK ON: Advanced SCM (different SCM for different sources)

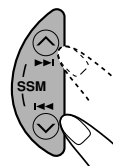
LINK OFF: Conventional SCM (one SCM for all sources)

1 Press and hold SEL for more than 2 seconds.

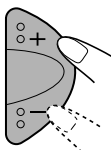
“CLOCK H”, “CLOCK M”, “SCM LINK” or “LEVEL” appears on the display.



2 Select “SCM LINK” if not shown on the display.



3 Select the desire mode — “LINK ON” or “LINK OFF”.



4 Press SEL (select) to finish the setting.



Selecting the level display

You can select the level display according to your preference.

When shipped from the factory, "VOL 2" is selected.

VOL 1 : Shows the volume level indicator.

VOL 2 : Alternates "VOL 1" setting and illumination display.

OFF : Erase the volume level indicator.

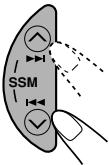
1 Press and hold SEL for more than 2 seconds.

"CLOCK H", "CLOCK M", "SCM LINK" or "LEVEL" appears on the display.

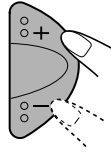


2 Select "LEVEL" if not shown on the display.

"CLOCK H", "CLOCK M", "SCM LINK" or "LEVEL" appears on the display.



3 Select the desired mode — "VOL 1", "VOL 2" or "OFF".



4 Press SEL (select) to finish the setting.



Detaching the control panel

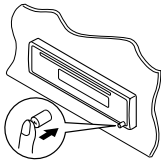
You can detach the control panel when leaving the car.

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.

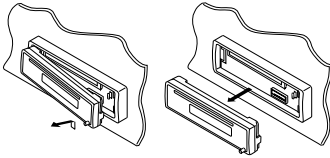
How to detach the control panel

Before detaching the control panel, be sure to turn off the power.

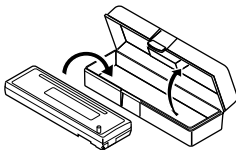
1 Unlock the control panel.



2 Lift and pull the control panel out of the unit.

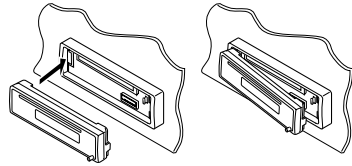


3 Put the detached control panel into the case provided.

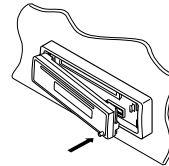


How to attach the control panel

1 Insert the left side of the control panel into the groove on the panel holder.



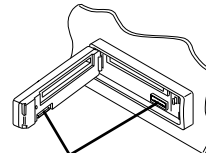
2 Press the right side of the control panel to fix it to the panel holder.



Note on cleaning the connectors:

If you frequently detach the control panel, the connectors will deteriorate.

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



Connectors



Handling CDs

This unit has been designed only to reproduce the CDs bearing the  mark.

- Other discs cannot be played back.

How to handle CDs

When removing a CD from its case, press down the center holder of the case and lift the CD out, holding it by the edges.

Center holder



- Always hold the CD by the edges. Do not touch its recording surface.

When storing a CD into its case, gently insert the CD around the center holder (with the printed surface facing up).

- Make sure to store CDs into the cases after use.

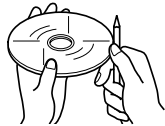
To keep CDs clean

A dirty CD may not play correctly. If a CD does become dirty, wipe it with a soft cloth in a straight line from center to edge.



To play new CDs

New CDs may have some rough spots around the inner and outer edges. If such a CD is used, this unit may reject the CD.



To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Moisture condensation

Moisture may condense on the lens inside the CD player in the following cases:

- After starting the heater in the car.
 - If it becomes very humid inside the car.
- Should this occur, the CD player may malfunction. In this case, eject the CD and leave the unit turned on for a few hours until the moisture evaporates.

When playing a CD-R (Recordable)

You can playback your original CD-Rs on this receiver.

- Before playing back CD-Rs, read their instructions or cautions carefully.
- Some CD-Rs recorded on CD recorders may not be played back on this receiver because of their disc characteristics, and of the following reasons:
 - Discs are dirty or scratched.
 - Moisture condensation occurs on the lens inside the unit.
 - The pickup lens inside the CD player is dirty.
- Use only "finalized" CD-Rs.
- CD-RWs (Rewritable) cannot be played back on this receiver.
- Do not use CD-Rs with stickers or sticking labels on the surface. They may cause malfunctions.

CAUTIONS:

- Do not insert 8cm (3 3/16") CDs (single CDs) into the loading slot. (Such CDs cannot be ejected.)
- Do not insert any CD of unusual shape – like a heart or flower; otherwise, it will cause a malfunction.
- Do not expose CDs to direct sunlight or any heat source or place them in a place subject to high temperature and humidity. Do not leave them in a car.
- Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzene, etc.) to clean CDs.

About mistracking:

Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.

We recommend that you stop CD play while driving on such rough roads.

TROUBLESHOOTING



What appears to be trouble is not always serious. Check the following points before calling a service center.

Symptoms	Causes	Remedies
• CD cannot be played back.	CD is inserted upside down.	Insert the CD correctly.
• CD sound is sometimes interrupted.	You are driving on rough roads.	Stop CD play while driving rough roads.
	CD is scratched.	Change the CD.
	Connections are incorrect.	Check the cords and connections.
• "NO DISC" appears on the display.	No CD is in the loading slot.	Insert a CD into the loading slot.
	CD is inserted incorrectly.	Insert it correctly.
• Sound cannot be heard from the speakers.	The volume control is turned to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• CD can be neither played back nor ejected.	The CD player may function incorrectly.	Press ⏏/ATT and ▲ at the same time for more than 2 seconds. Be careful not to drop CD when it is ejected.
• The unit does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	Press ⏏/ATT and SEL at the same time for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)

SPECIFICATIONS

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 45 watts per channel

Rear: 45 watts per channel

Continuous Power Output (RMS):

Front: 17 watts per channel into 4 Ω ,
40 Hz to 20 000 Hz at no more than
0.8% total harmonic distortion.

Rear: 17 watts per channel into 4 Ω ,
40 Hz to 20 000 Hz at no more than
0.8% total harmonic distortion.

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

Tone Control Range

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance: 2.0 V/20 k Ω load
(full scale)

Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range

FM: 87.5 MHz to 107.9 MHz

AM: 530 kHz to 1 710 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 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: 35 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 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: 90 dB

Signal-to-Noise Ratio: 95 dB

Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement

Operating Voltage: DC 14.4 volts (11 volts to 16
volts allowance)

Allowable Working Temperature:

0°C to +40°C (32°F to 104°F)

Grounding System: Negative ground

Dimensions (W x H x D)

Installation Size:

182 mm x 52 mm x 150 mm

(7-3/16" x 2-1/16" x 5-15/16")

Panel Size: 188 mm x 58 mm x 14 mm

(7-7/16" x 2-5/16" x 5/8")

Mass: 1.3 kg (2.9 lbs) (excluding accessories)

*Design and specifications subject to change
without notice.*

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



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