

JVC

ENGLISH

中
文

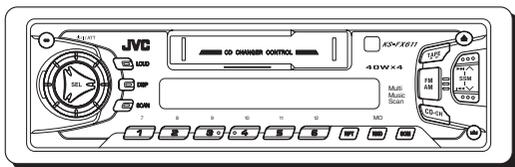
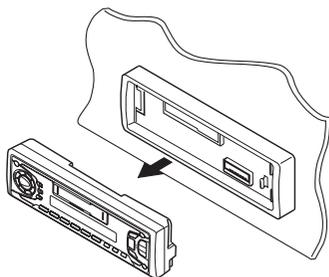
ไทย

CASSETTE RECEIVER

卡座收音組合機

วิทยุเครื่องเล่นเทป

KS-FX611



For installation and connections, refer to the separate manual.

有關安裝和連接方法，分別參見操作手冊。

กรุณาดูคู่มือที่แยกต่างหาก ในการติดตั้งและการเชื่อมต่อ

INSTRUCTIONS

使用說明書

คำแนะนำ

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.

CONTENTS

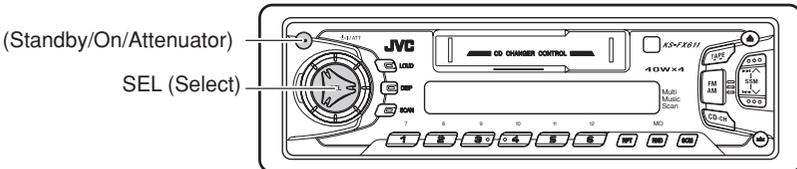
How to Reset your unit	2	Adjusting the sound	10
LOCATION OF THE BUTTONS	3	Using the Sound Control Memory	11
Control Panel	3	Selecting and Storing the sound modes	11
BASIC OPERATIONS	4	Recalling the sound modes	11
Turning on the power	4	Canceling Advanced SCM	11
RADIO BASIC OPERATIONS	5	Storing your own sound adjustments ...	12
Listening to the radio	5	OTHER MAIN FUNCTIONS	13
Storing stations in memory	6	Setting the clock	13
FM station automatic preset: SSM	6	Selecting the level display	14
Manual preset	6	Detaching the control panel	15
Tuning into a preset station	7	REMOTE OPERATIONS	16
Other convenient tuner functions	7	Installing the battery	16
Scanning broadcast stations	7	Using the remote controller	17
Selecting FM reception sound	7	CD CHANGER OPERATIONS	18
TAPE OPERATIONS	8	Playing CDs	18
Listening to a cassette	8	Selecting CD playback modes	19
Finding the beginning of a tune	8	EXTERNAL COMPONENT OPERATIONS ..	20
Other convenient tape functions	9	Selecting the external component to use ...	21
Prohibiting tape ejection	9	MAINTENANCE	22
Skipping the blank portions on the tape .	9	TROUBLESHOOTING	23
Repeat Function	9	SPECIFICATIONS	24
SOUND ADJUSTMENTS	10		
Turning on/off the loudness function	10		

How to Reset your unit

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

This will reset the built-in microcomputer.

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



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.

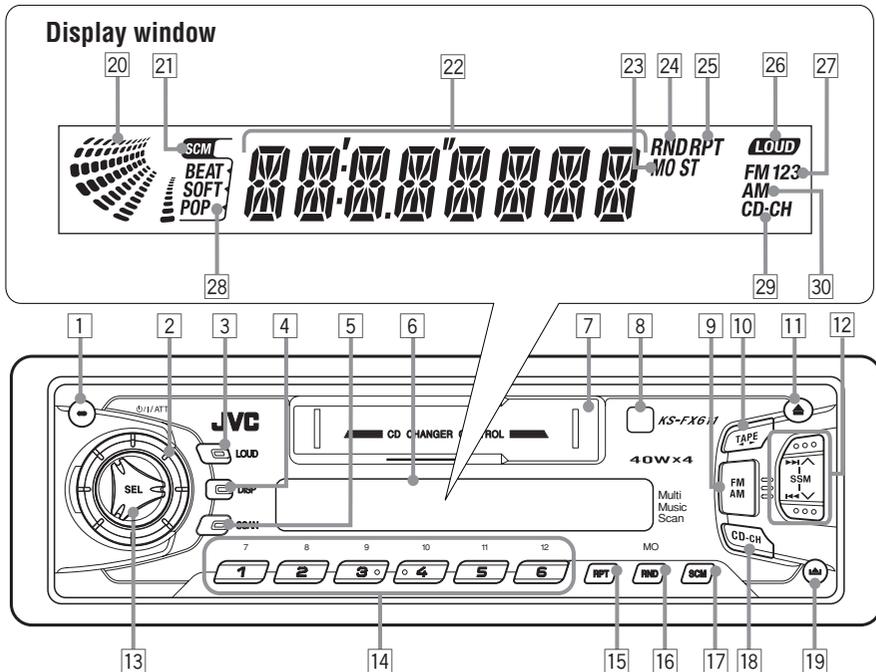
*Temperature inside the car....

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



Control panel



- 1 I/ATT (standby/On/Attenuator) button
- 2 Control dial
- 3 LOUD (Loudness) button
- 4 DISP (Display) button
- 5 SCAN (Scan) button
- 6 Display window
- 7 Cassette compartment
- 8 Remote sensor
- 9 FM AM button
- 10 TAPE button
- 11 (Eject) button
- 12 buttons
 - Also functions as SSM buttons when pressed together.
- 13 SEL (Select) button
- 14 Number buttons
- 15 RPT (Repeat) button
- 16 RND (Random) button
- MO (Monaural) button

- 17 SCM (Sound control memory) button
- 18 CD-CH (CD changer) button
- 19 (Control panel release) button

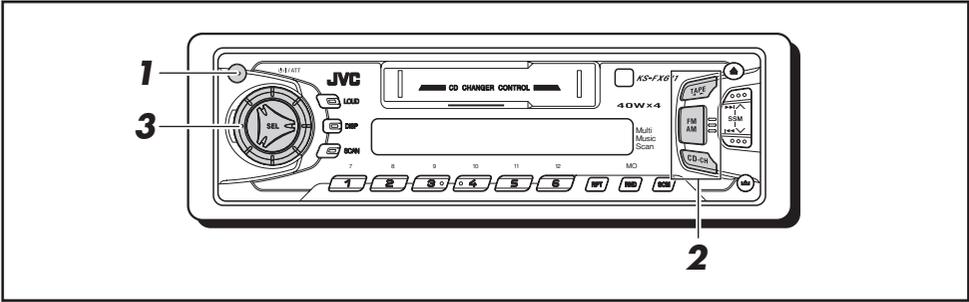
Display window

- 20 Volume (or audio) level indicator
- 21 SCM indicator
- 22 Main display
- 23 MO (Monaural) indicators
- ST (Stereo) indicator
- 24 RND (Random) indicator
- 25 RPT (Repeat) indicator
- 26 LOUD indicator
- 27 FM band number indicators
- FM1, FM2, FM3
- 28 Sound mode indicators
- BEAT, SOFT, POP
- 29 CD-CH (CD changer) indicator
- 30 AM indicator



BASIC OPERATIONS

ENGLISH



Turning on the power

1 Turn on the power.



Note on One-Touch Operation:

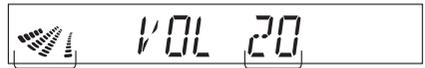
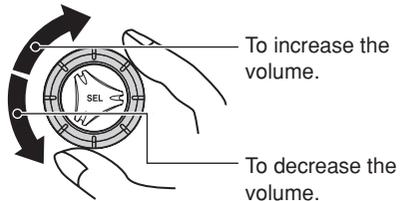
When you select a source in step 2 below, the power automatically comes on. You do not have to press this button to turn on the power.

2 Select the source.



- To operate the tuner, see pages 5 – 7.
- To operate the tape deck, see pages 8 – 9.
- To operate the CD changer, see pages 18 – 19.
- To operate the external component, see pages 20 – 21.

3 Adjust the volume.



Volume level indicator Volume level appears

4 Adjust the sound as you want. (See page 10 – 12)

To drop the volume in a moment

Press ϕ /I/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.

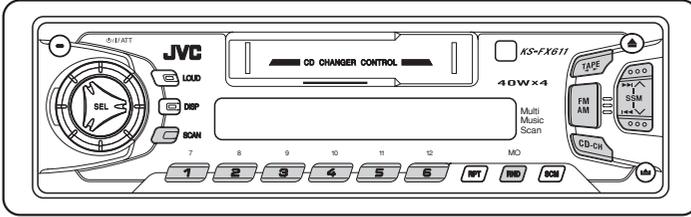
- If you turn the control dial clockwise, you can also restore the sound.

To turn off the power

Press and hold ϕ /I/ATT for more than 1 second.

Note:

When you use this unit for the first time, set the built-in clock correctly, see page 13.

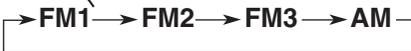


Listening to the radio

1 Select the band (FM1 – 3, AM).



You can select any one of FM1, FM2, and FM3 to listen to an FM station.



Selected band appears



Audio or volume level indicator (see page 14)

2 Start searching a station.

When a station is received, searching stops.



To search stations of higher frequencies.

To search stations of lower frequencies.



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

To tune in a particular frequency manually:

- 1 Press FM/AM to select the band.
- 2 Press and hold $\blacktriangleright\blacktriangle$ \blacktriangle or $\blacktriangleleft\blacktriangleright$ \blacktriangledown until "M" starts flashing on the display.
Now you can manually change the frequency while "M" is flashing.
- 3 Press $\blacktriangleright\blacktriangle$ \blacktriangle or $\blacktriangleleft\blacktriangleright$ \blacktriangledown repeatedly until the frequency you want is reached.
 - If you hold down the button, the frequency keeps changing (in 50 kHz intervals for FM and 9 kHz intervals for AM – MW) until you release the button.



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

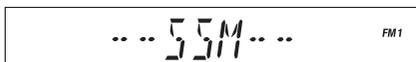
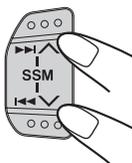
FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1 – 3).

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



- 2 Press and hold the 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 – 3). 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

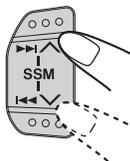
You can preset up to 6 stations in each band (FM1 – 3 and AM) manually.

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

- 1 Select the FM1 band.**



- 2 Tune into a station of 88.3 MHz.**



See page 5 to tune into a station



- 3 Press and hold the button for more than 2 seconds.**



Preset number "P1" starts flashing for a while.



- 4 Repeat the above procedure to store other station 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.

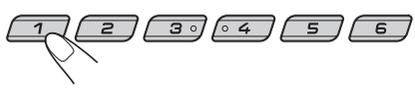
Tuning into a preset station

You can easily tune into a preset station. Remember that you must store stations first. If you have not stored them yet, see page 6.

- 1 Select the band (FM1 – 3 or AM) you want.**



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



Other convenient tuner functions

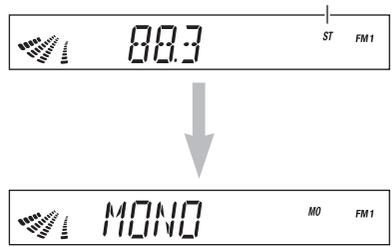
Scanning broadcast stations

When you press SCAN while listening to the radio, station scanning starts. Each time a broadcast is tuned in, scanning stops for about 5 seconds (tuned frequency number flashes on the display), and you can check what program is now being broadcasted. If you want to listen to that program, press the same button again to stop scanning.

Selecting FM reception sound

When an FM stereo broadcast is hard to receive: Press MO RND while listening to an FM stereo broadcast. The sound you hear becomes monaural but reception will be improved.

Lights up when receiving an FM broadcast in stereo.

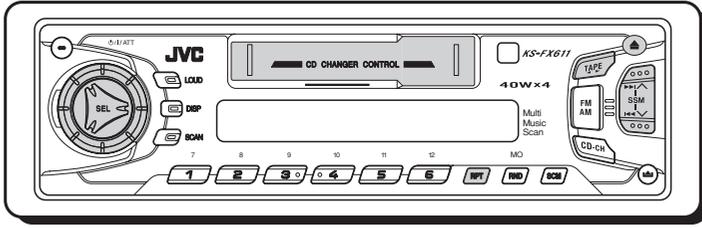


To restore the stereo effect, press the same button again.



TAPE OPERATIONS

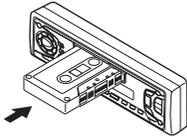
ENGLISH



Listening to a cassette

You can playback type 1 (normal) tapes.

1 Insert a cassette.



The unit turns on and tape play starts automatically. When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

Note on One-Touch Operation:

When a cassette is already in the cassette compartment, pressing TAPE ◀▶ turns on the unit and starts tape play automatically.

2 Select the tape direction.



Each time you press the button, the tape direction changes alternatively – forward (TAPE ▶▶▶) and reverse (TAPE ◀◀◀).

To stop play and eject the cassette

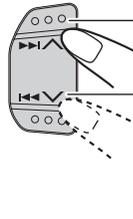
Press ▲.

Tape play stops and the cassette automatically ejects from the cassette compartment.

If you change the source to FM/AM or CD-CH, the tape play also stops (without ejecting the cassette this time).

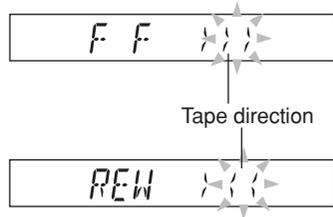
- You can also eject the tape with the unit turned off.

To fast-forward and rewind a tape



Press ▶▶▶ ▲ for more than 1 second to fast-forward the tape. When the tape reaches its end, the tape is reversed and playback starts from the beginning of the other side.

Press ◀◀◀ ▼ for more than 1 second to rewind the tape. When the tape reaches its end, playback of the same side starts.



To stop fast forward and rewind at any position on the tape, press TAPE ◀▶.

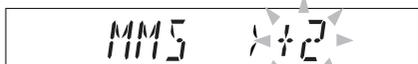
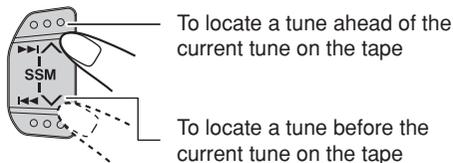
Tape play starts from that position on the tape.

Finding the beginning of a tune

Multi Music Scan allows you to automatically start playback from the beginning of a specified tune. You can specify up to 9 tunes ahead or before the current tune.

**During playback**

Specify how many tunes ahead or before the current tune the tune you want is located.



Each time you set the tune, the number changes up to ± 9 .

When the beginning of the specified tune is located, playback starts automatically.

Notes:

- While locating a specified tune:
 - If the tape is rewound to its beginning, playback starts from the beginning of that side.
 - If the tape is fast forwarded to the end, it is reversed and played from the beginning of the other side.
- In the following cases, the Multi Music Scan function may not operate correctly.
 - Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
 - Tapes with short non-recorded sections.
 - Tapes with high level noise or humming between tunes.

Other convenient tape functions**Prohibiting tape ejection**

You can prohibit the tape ejection and can “lock” a tape in the cassette compartment.

Press and hold TAPE ◀▶ and ▲ for more than 2 seconds. “NO EJECT” flashes on the display for about 5 seconds, and the tape is “locked.”

To cancel the prohibition and “unlock” the tape, press and hold TAPE ◀▶ and ▲ for more than 2 seconds again. “EJECT OK” flashes again for about 5 seconds, and this time the tape is “unlock.”

Skipping the blank portions on the tape

You can skip blank portions between the tunes. (Blank Skip)

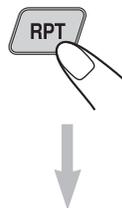
When this function is on, the unit skips blank portions of 15 seconds or more, fast-forwards to the next tune, then starts playing it.

1. Press and hold SEL (select) for more than 2 seconds.
 2. Select “B. SKIP (blank skip)” with ▶▶ ▲ or ◀◀ ▼.
 3. Select the desired mode with the control dial.
- The Blank Skip mode alternates between on and off.

ON ↔ OFF

Note:

When the tape reaches its end while fast-forwarding, the tape direction will be changed automatically.

Repeat Function

Press the RPT button while a tune you would like to hear over again is being played back. When the tape reaches the end of the tune, the tape is automatically rewound to the beginning of that tune and playback resumes from there. This operation will be repeated till the RPT button is pressed again.

Notes:

In the following cases, the Multi Music Scan, and Repeat function mechanisms may not operate correctly. These are NOT malfunctions; use the mechanisms to suitably accommodate the materials and situations.

- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portions during tunes.
- Tapes with tunes recorded at low recording levels.
- Tapes with short non-recorded sections.
- Tapes with high level noise or humming between tunes.



SOUND ADJUSTMENTS

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 a well-balanced sound at low volume level.

Each time you press LOUD, the loudness function turns on/off alternatively.



Adjusting the sound

You can adjust the treble/bass sounds and the speaker balance.

1 Select the item you want to adjust.

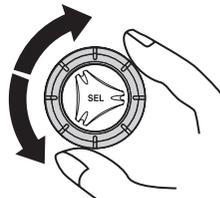


Indication	To do:	Range
BAS (bass)	Adjust the bass	-06 (min.) +06 (max.)
TRE (treble)	Adjust the treble	-06 (min.) +06 (max.)
FAD* (Fader)*	Adjust the front and rear speaker balance	R06 (rear only) F06 (front only)
BAL (Balance)	Adjust the left and right speaker balance	L06 (left only) R06 (right only)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

Note:

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

2 Adjust the level.



Note:

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



Using the Sound Control Memory

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, and will be recalled every time you select the same source. A sound mode can be stored for each of the following sources — FM1 – 3, AM, Tape, CD-Changer and external components.

- 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 “Canceling Advanced SCM” on page 11.

Select the sound mode you want.



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

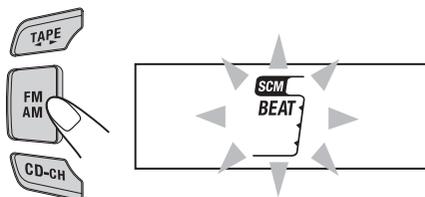
→ SCM OFF → BEAT → SOFT → POP

- 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.

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

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 adjustments” on page 12.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function temporarily, see page 10. (Your adjustments will be canceled if another source is selected.)

Canceling 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)



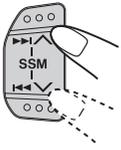
1 Press and hold SEL for more than 2 seconds.



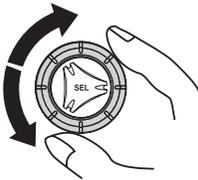
“CLOCK H”, “CLOCK M”, “SCM LINK”, “LEVEL”, “B.SKIP” or “EXT IN” appears on the display.

* Displayed only when one of the following sources is selected—FM, AM and TAPE.

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



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



4 Finish the setting.



Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 11) as you like and store your own adjustments in memory.

1 Call up the sound mode you want to adjust.



See page 11 for details.



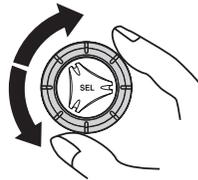
2 To adjust the bass or treble sound level



Select “BAS” or “TRE.”



3 Adjust the bass or treble level.
See page 10 for details.



To turn on or off the loudness function



Each time you press LOUD, the loudness function turns on and off alternatively.



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



Your setting is stored in memory.

5 Repeat the same procedure to store other settings.

To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 11.

Setting the clock

- 1** Press and hold the button for more than 2 seconds.

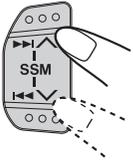


"CLOCK H," "CLOCK M",
"SCM LINK", "LEVEL",
"B.SKIP" or "EXT IN*"
appears on the display.

* Displayed only when one of the following sources is selected — FM, AM and TAPE.

- 2** Set the hour.

- 1** Select "CLOCK H" if not shown on the display.



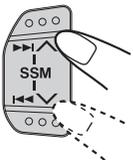
CLOCK H → CLOCK M → SCM LINK
EXT IN ← B. SKIP ← LEVEL

- 2** Adjust the hour.



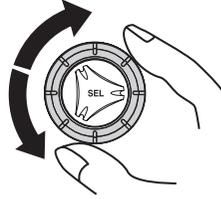
- 3** Set the minute.

- 1** Select "CLOCK M"



CLOCK H → CLOCK M → SCM LINK
EXT IN ← B. SKIP ← LEVEL

- 2** Adjust the minute.



- 4** 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.

<p>During tuner operation:</p> <p>Frequency ↔ Clock</p>
<p>During tape operation:</p> <p>Play mode ↔ Clock</p>
<p>During CD Changer operation:</p> <p>Disc number → Clock → Elapsed playing time</p> <p>↑</p>
<p>During external Component operation:</p> <p>LINE IN ↔ Clock</p>

- 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.

Selecting the level display

To select the level meter – LEVEL

You can select the level display according to your preference.

When shipped from the factory, “AUDIO 2” is selected.

- AUDIO 1: Level meter illuminates from bottom to top.
- AUDIO 2: Alternates level meter (moves from bottom to top) and illumination display.
- OFF: Erases the audio level indicator.

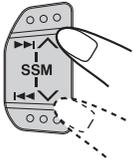
1 Press and hold SEL for more than 2 seconds.



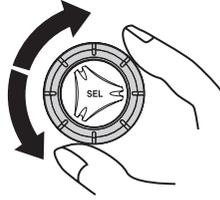
“CLOCK H”, “CLOCK M”, “SCM LINK”, “LEVEL”, “B.SKIP” or “EXT IN” appears on the display.

* Displayed only when one of the following sources is selected — FM, AM and TAPE.

2 Select “LEVEL” if not shown on the display.



3 Select the desired mode — “AUDIO 1”, “AUDIO 2” or “OFF”.



4 Finish the setting.



Detaching the control panel

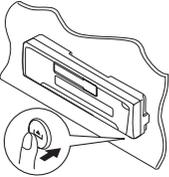
You can detach the control panel when leaving the car.

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.

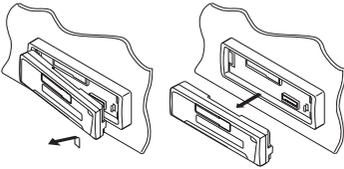
How to detach the control panel

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

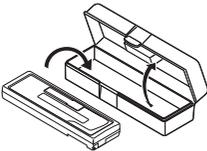
- 1 Unlock the control panel.



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

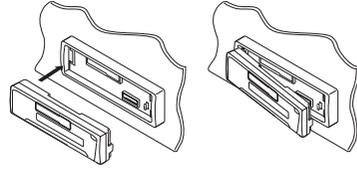


- 3 Put the detached control panel into the provided case.

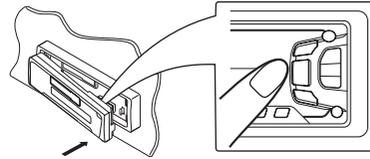


How to attach the control panel

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



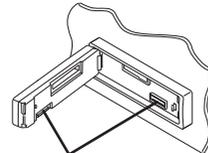
- 2 Press the right side of the control panel to fix it to the panel holder.



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.



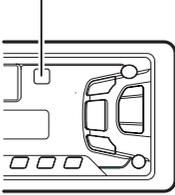
Connectors

REMOTE OPERATIONS

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

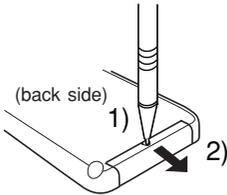
Remote sensor



Installing the battery

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

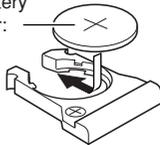
1 Remove the battery holder.



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

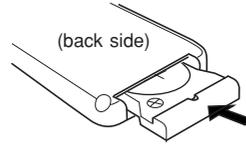
2 Place the battery.

Lithium coin battery
(product number:
CR2025)



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

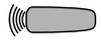
3 Return the battery holder.



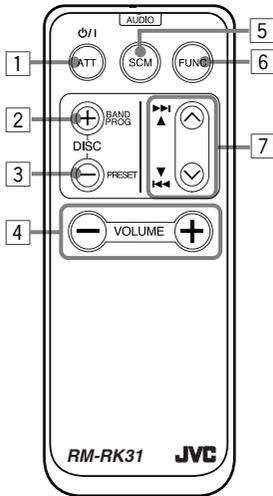
Insert again the battery holder pushing it until you hear a clicking sound.

WARNING:

- Store the batteries in a place which children cannot reach.
If a child accidentally swallows the battery, immediately consult a doctor.
- Do not recharge, short, disassemble or heat the batteries or dispose of 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 in tape and insulate; otherwise, it may cause the batteries 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.



Using the remote controller



- 1 Functions the same as the O/I/ATT button on the main unit.
- 2
 - Functions as the BAND button while listening to the radio.
Each time you press the button, the band changes.
 - Functions as the DISC + button while listening to the CD changer.
Each time you press the button, the disc number increases, and the selected disc starts playing.
 - Functions as the PROG button while listening to a tape.
- 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 in.
 - Functions as the DISC – button while listening to the CD changer.
Each time you press the button, the disc number decreases, and the selected disc starts playing.

- 4 Functions the same as the control dial on the main unit.

Note:

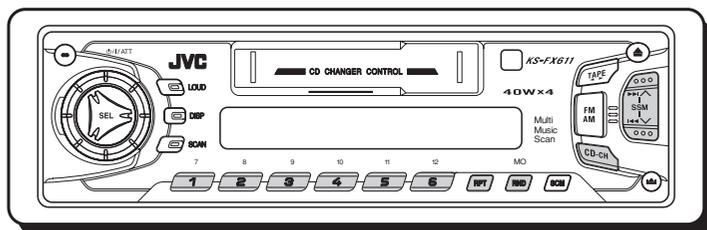
These buttons cannot be used for the clock (CLOCK H, CLOCK M), SCM LINK, LEVEL, B. SKIP and EXT IN adjustments (see pages 13, 11, 14, 9 and 21).

- 5 Selects the sound mode.
Each time you press SCM (Sound Control Memory), the mode changes.
- 6 Selects the source.
Each time you press FUNC (function), 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.
 - Functions as the fast forward or rewind buttons or Multi Music Scan buttons while listening to a tape.



CD CHANGER OPERATIONS

ENGLISH



We recommend that you use one of the CH-X series with your unit.

If you have another CD automatic changer, consult your JVC car audio dealer for connections.

- For example, if your CD automatic changer is one of the KD-MK series, you need a cord (KS-U15K) for connecting it to this unit.

Before operating your CD automatic changer:

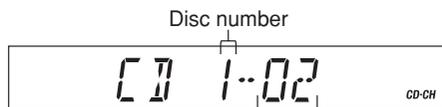
- Refer also to the Instructions supplied with your CD changer.
- If no discs are in the magazine of the CD changer or the discs are inserted upside down, "NO CD" or "NO DISC" will appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

Playing CDs

Select the CD automatic changer.



Play back starts from the first track of the first disc.
All tracks of all discs are played back.



Track number



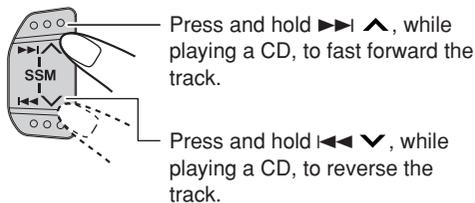
Elapsed playing time
(The clock time is shown if you have pressed DISP to see the clock time. See page 13.)

Note on One-Touch Operation:

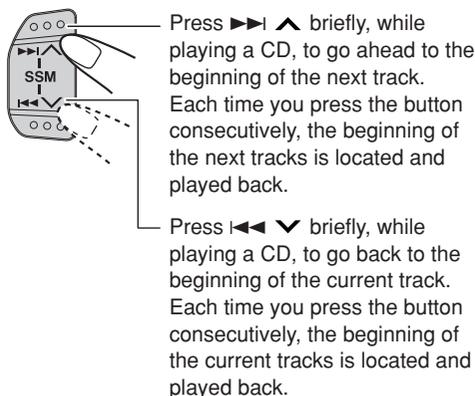
When you press CD-CH, the power automatically comes on. You do not have to press P/WATT to turn on the power.



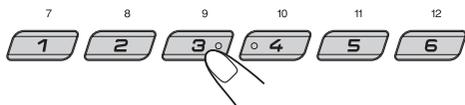
To fast forward or reverse the track



To go to the next track or the previous track



To go to a particular disc directly



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

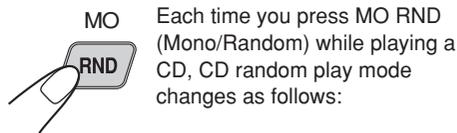
- To select a disc number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than 1 second.

Ex. When disc number 3 is selected



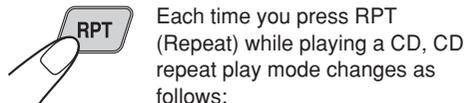
Selecting CD playback modes

To play back tracks at random (Random Play)



Mode	RND Indicator	Plays at random
RND1	Lights	All tracks of the current disc, then the tracks of the next disc, and so on.
RND2	Flashes	All tracks of all discs inserted in the magazine.

To play back tracks repeatedly (Repeat Play)

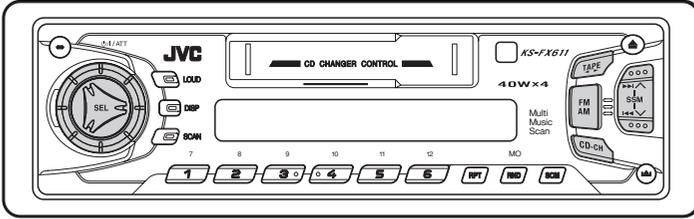


Mode	RPT Indicator	Plays repeatedly
RPT1	Lights	The current track (or specified track).
RPT2	Flashes	All tracks of the current disc (or specified disc).



EXTERNAL COMPONENT OPERATIONS

ENGLISH



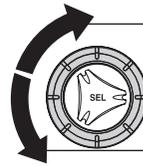
You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

2 Turn on the connected device and start playing the source.

Preparations:

- For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/Connection Manual (separate volume).
- Before operating the external component using the following procedure, select the external input correctly. (See "Selecting the external component to use" on page 21.)

3 Adjust the volume.



To turn up the volume

To turn down the volume

1 Select the external component.



Note on One-Touch Operation:

When you press CD-CH, the power automatically comes on. You do not have to press /ATT to turn on the power.

- If "LINE IN" does not appear on the display, see page 21 and select the external input ("EXT IN").



Selecting the external component to use

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).

To use the external component as the playback source through this receiver, you need to select which device — CD changer or external component — to use. When shipped from the factory, CD changer is selected as the external component.

LINE IN: To use the external component other than CD changer

CHANGER: To use the CD changer

1 Change the source to FM, AM or TAPE.

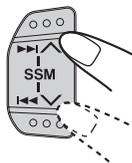


2 Press and hold SEL for more than 2 seconds.

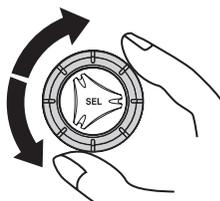


“CLOCK H”, “CLOCK M”, “SCM LINK”, “LEVEL”, “B.SKIP” or “EXT IN” appears on the display.

3 Select “LINE IN” if not shown on the display.



4 Select the desired mode — “LINE IN” or “CHANGER”.



5 Finish the setting



Note:

- For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/ connection Manual (separate volume).

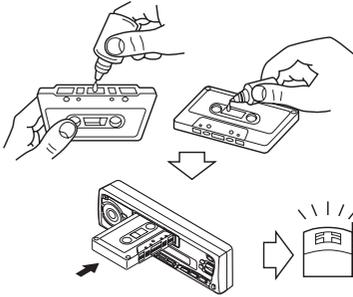


MAINTENANCE

ENGLISH

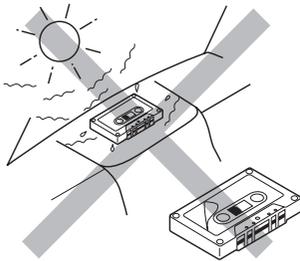
This unit requires very little attention, but you will be able to extend the life of the unit if you follow the instructions below.

To clean the heads



- Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).
When the head becomes dirty, you may realize the following symptoms:
 - Sound quality is reduced.
 - Sound level decreases.
 - Sound drops out.
- Do not play dirty or dusty tapes.
- Do not touch the highly-polished head with any metallic or magnetic tools.

To keep the tape clean



- Always store the tapes to their storage cases after use.
- Do not store tapes in the following places:
 - Subject to direct sunlight
 - With high humidity
 - At extremely hot temperatures

CAUTIONS:

- Do not play the tapes with peeling labels; otherwise, they can damage the unit.
- Tighten tapes to remove slack since loose tape may become entangled with the mechanism.
- Do not leave a cassette in the cassette compartment after use, as the tape may become slack.

The function below is also provided to ensure the longer life of this unit.

Ignition key-off Release/ Ignition key-on play

- When you turn off the ignition key with a cassette in the compartment, the unit automatically releases the tape from its head.
- When you turn on the ignition key with a cassette in the compartment, playback automatically starts.

TROUBLESHOOTING



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

Symptoms	Causes	Remedies
<ul style="list-style-type: none"> A cassette tape cannot be inserted. 	You have tried to insert a cassette in the wrong way.	Insert the cassette with the exposed tape facing right.
<ul style="list-style-type: none"> Cassette tapes become hot. 	This is not a malfunction.	_____
<ul style="list-style-type: none"> Tape sound is at very low level and sound quality is degraded. 	The tape head is dirty.	Clean it with a head cleaning tape.
<ul style="list-style-type: none"> Sound is sometimes interrupted. 	Connections are not good.	Check the cords and connections.
<ul style="list-style-type: none"> 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.
<ul style="list-style-type: none"> SSM (Strong-station Sequential Memory) automatic preset does not work. 	Signals are too weak.	Store stations manually.
<ul style="list-style-type: none"> Static noise while listening to the radio. 	The antenna is not connected firmly.	Connect the antenna firmly.
<ul style="list-style-type: none"> "NO CD" or "NO DISC" appears on the display. 	No CD is in the magazine.	Insert CDs into the magazine.
	CDs are inserted incorrectly.	Insert them correctly.
<ul style="list-style-type: none"> "RESET 8" appears on the display. 	This unit is not connected to a CD changer correctly.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
<ul style="list-style-type: none"> "RESET 1-RESET 7" appears on the display. 	_____	Press the reset button of the CD changer.
<ul style="list-style-type: none"> The unit does not work at all. The CD changer does not work at all. 	The built-in microcomputer may function incorrectly due to noise, etc.	Press ⏏/I/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: 40 watts per channel

Rear: 40 watts per channel

Continuous Power Output (RMS):

Front: 16 watts per channel into 4 Ω , 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion.

Rear: 16 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

TUNER SECTION

Frequency Range

FM: 87.5 MHz to 108.0 MHz

AM: 531 kHz to 1 602 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: 30 dB

CASSETTE DECK SECTION

Wow & Flutter: 0.11% (WRMS)

Fast-Wind Time: 100 sec. (C-60)

Frequency Response:

30 Hz to 16 000 Hz (Normal tape)

Signal-to-Noise Ratio: (Normal tape) 56 dB

Stereo Separation: 40 dB

GENERAL

Power Requirement

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

Grounding System: Negative ground

Allowable Working Temperature:

0°C to + 40°C

Dimensions (W x H x D)

Installation Size:

182 mm x 52 mm x 150 mm

Panel Size:

188 mm x 58 mm x 14 mm

Mass: 1.4 kg (excluding accessories)

Design and specifications subject to change without notice.

Having TROUBLE with operation?

Please reset your unit

Refer to page of How to Reset