



CASSETTE RECEIVER

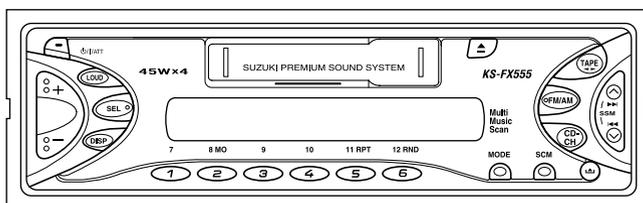
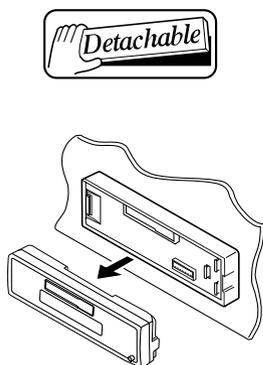
KS-FX555

ENGLISH

RADIO KASET

KS-FX555

INDONESIA



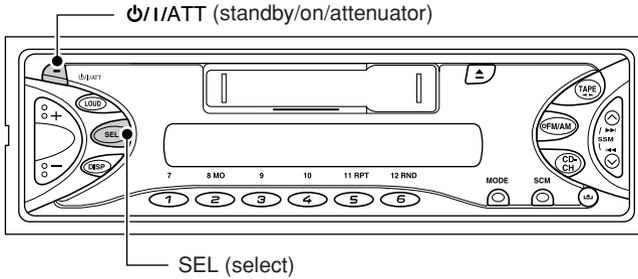
SUZUKI PREMIUM SOUND SYSTEM

INSTRUCTIONS BUKU PETUNJUK

GET0241-001B
[UN]

How to reset your unit

While holding SEL (select), press O/I/ATT (standby/on/attenuator) for more than 2 seconds. This will reset the built-in microcomputer.



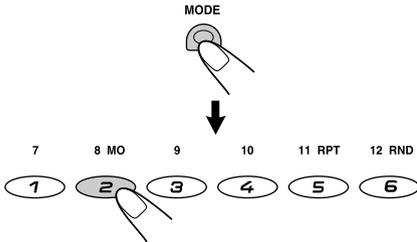
Note:

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

How to use the MODE button

If you press MODE, the unit goes into functions mode, then the number buttons and $\blacktriangle \blacktriangleright / \blacktriangleleft \blacktriangledown$ buttons work as different function buttons.

Ex.: When number button 2 works as MO (monaural) button.



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

- Pressing MODE again also clears the functions mode.

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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....

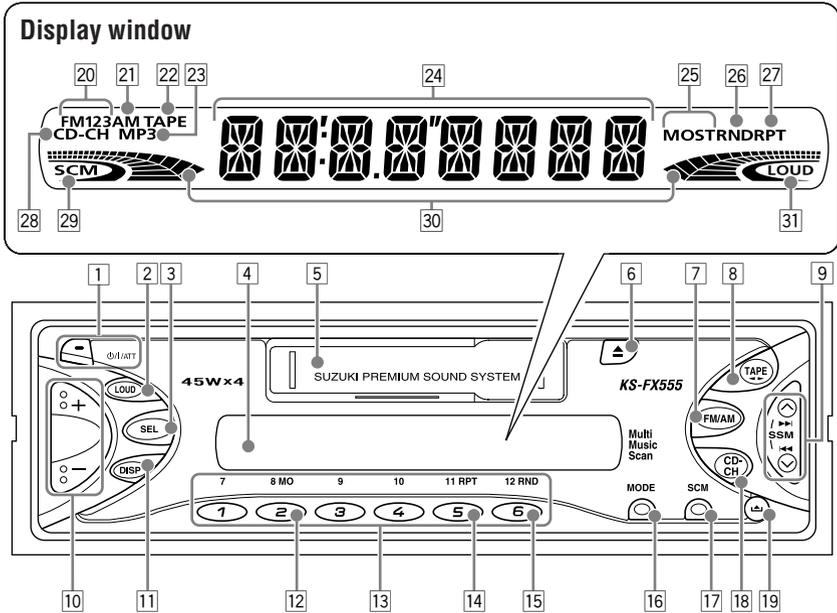
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.



LOCATION OF THE BUTTONS

ENGLISH

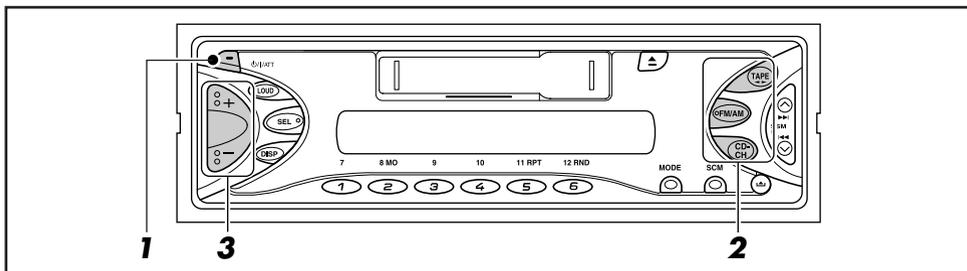
Control panel



- 1 I/ATT (standby/on/attenuator) button
- 2 LOUD (loudness) button
- 3 SEL (select) button
- 4 Display window
- 5 Cassette compartment
- 6 (eject) button
- 7 FM/AM button
- 8 TAPE button
- 9 buttons
• Also functions as SSM buttons when pressed together.
- 10 +/- buttons
- 11 DISP (display) button
- 12 MO (monaural) button
- 13 Number buttons
- 14 RPT (repeat) button
- 15 RND (random) button
• Functions only when connecting to a CD changer.
- 16 MODE button
- 17 SCM (sound control memory) button
- 18 CD-CH (CD changer) button
- 19 (control panel release) button

Display window

- 20 FM band indicators
FM1, FM2, FM3
- 21 AM band indicator
- 22 TAPE indicator
- 23 MP3 indicator
• Lights up only when playing an MP3 disc on a JVC MP3-compatible CD changer.
- 24 Main display
- 25 Tuner reception indicators
MO (monaural), ST (stereo)
- 26 RND (random) indicator
• Used only when connecting to a CD changer.
- 27 RPT (repeat) indicator
- 28 CD-CH (CD changer) indicator
- 29 SCM (sound control memory) indicator
- 30 Volume (or audio) level indicator
- 31 LOUD (loudness) indicator



Turning on the power

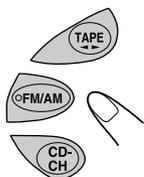
1 Turn on the power.



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.



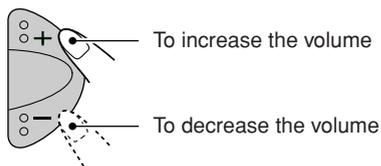
To operate the tuner (FM or AM), see pages 7 – 9.

To play a tape, see pages 10 – 12.

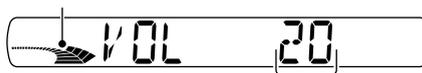
To operate the CD changer, see pages 17 – 20.

To operate the external component (LINE IN), see page 21.

3 Adjust the volume.



Volume (or audio) level indicator (see page 15)



Volume level appears.

4 Adjust the sound as you want. (See pages 13 and 14.)

To drop the volume in a moment

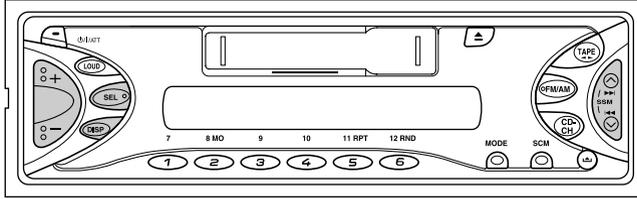
Press O/I/ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.

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

To turn off the power

Press and hold O/I/ATT for more than one second.

"SEE YOU" appears, then the unit turns off.



Setting the clock

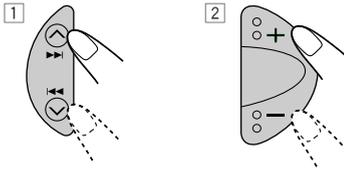
1 Press and hold SEL (select) for more than 2 seconds.

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



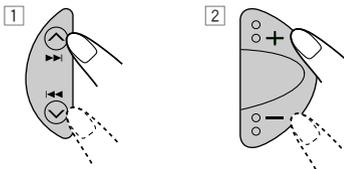
2 Set the hour.

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



3 Set the minute.

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



4 Finish the setting.



To check the current clock time or change the display mode



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

- During tuner operation:

Frequency ↔ Clock

- During tape operation:

Play mode (TAPE) ↔ Clock

- During CD changer operation:

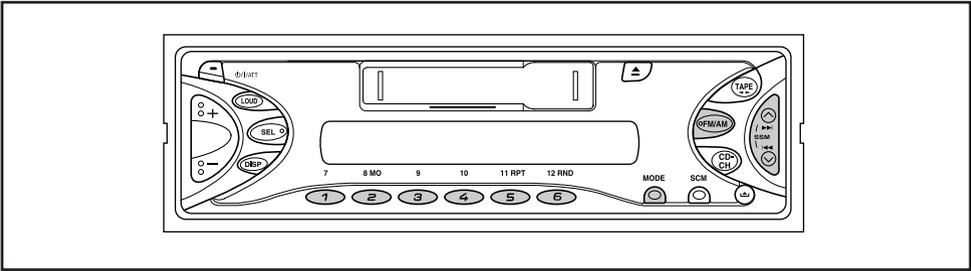


- During external component operation:

LINE IN ↔ Clock

- During power off:

The power turns on and the clock time is shown for 5 seconds, then the power turns off.



Listening to the radio

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

Searching for a station automatically: Auto search

1 Select the band (FM1 – 3, AM).



Selected band appears.

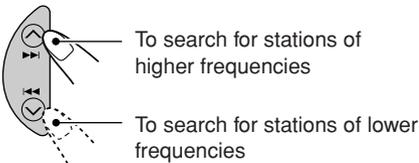


Lights up when receiving an FM stereo broadcast with sufficient signal strength.

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.



When a station is received, searching stops.

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

Searching for a station manually: Manual search

1 Select the band (FM1 – 3, AM).



Note:

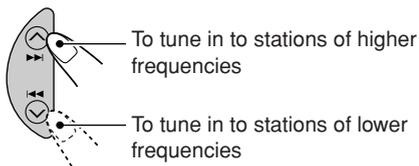
This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 Press and hold \blacktriangle or \blacktriangledown until "M" (manual) starts flashing on the display.





3 Tune in to a station you want while "M" (manual) is still flashing.



- 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 (in 50 kHz intervals for FM and 9 kHz intervals for AM) until you release the button.

When an FM stereo broadcast is hard to receive:

MODE



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

8 MO



- 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 monaural mode turns on and off alternately.

MO (monaural) indicator



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

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



- 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

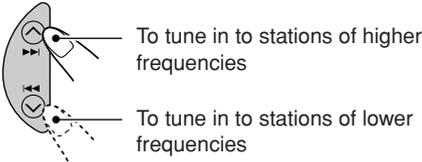
You can preset up to 6 stations in each band (FM1, FM2, FM3, and AM) manually.

Ex.: Storing FM station of 92.5 MHz into the preset number 1 of the FM1 band.

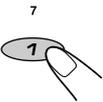
- 1** Select the band (FM1 – 3, AM) you want to store stations into (in this example, FM1).



- 2** Tune in to a station (in this example, 92.5 MHz).



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



Preset number flashes for a while.

- 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.

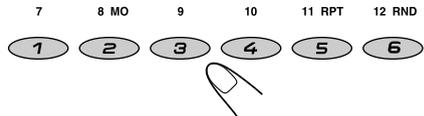
Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see “Storing stations in memory” on pages 8 and 9.

- 1** Select the band (FM1 – 3, AM).



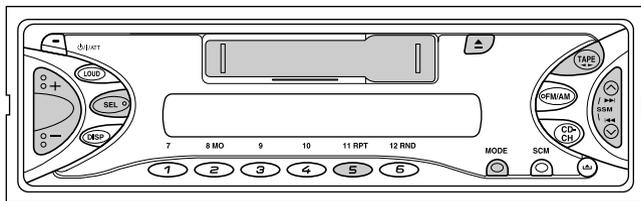
- 2** Select the number (1 – 6) for the preset station you want.





TAPE OPERATIONS

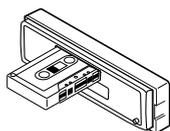
ENGLISH



Listening to a cassette

You can play back type I (normal) tapes.

1 Insert a cassette into the cassette compartment.



The unit turns on and tape play starts automatically.

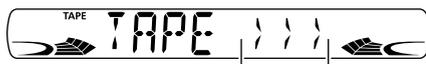
Note on One-Touch Operation:

When a cassette is already in the cassette compartment, pressing TAPE ◀▶ turns on the unit and starts tape play automatically. However, it is not recommended to leave the cassette in the compartment when turning off the power. It may damage the tape head and the cassette.

2 Select the tape direction.



Each time you press TAPE ◀▶, the tape direction alternates between forward (TAPE >>>) and reverse (TAPE <<<).



↑↓ Tape direction



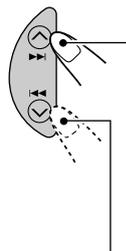
To stop play and eject the cassette

Press ▲.

Tape play stops and the cassette automatically ejects from the cassette compartment. The source changes to the previously selected one. If you change the source, tape play also stops (without ejecting the cassette this time).

- You can also eject the cassette by pressing ▲ while the unit is turned off.

To fast-forward and rewind a tape



Press and hold ▲▶▶▶ for more than one 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 and hold ▶▶▶▼ for more than one 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.

Notes:

- When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)
- When the tape reaches its end while fast-forwarding, the tape direction will be changed automatically.

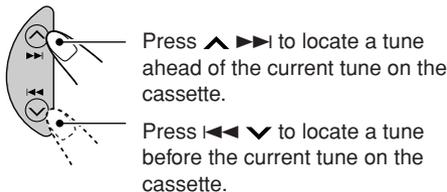


Finding the beginning of a tune

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

During playback

Specify the tune you want to locate (how many tunes ahead of or before the current tune).



Ex.: When you locate three tunes ahead of the current tune

Each time you press the buttons, 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 between tunes.
 - Tapes with short non-recorded sections.
 - Tapes with high level of noise or humming between tunes.
 - Tapes with tunes recorded at low recording levels.

Other convenient tape functions

Skipping the blank portions on the tape

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

When this function is turned on, the unit fast-forwards (skipping blank portions of 15 seconds or more), to the next tune and starts playback.

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

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

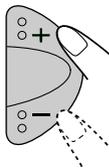


2 Press >>> or <<< to select “B. SKIP” (blank skip).



3 Press + to select “ON.”

Now Blank Skip is activated.



4 Finish the setting.



To cancel Blank Skip, repeat the same procedure and select “OFF” in step **3** by pressing –.



Playing the current tune repeatedly

You can play the current tune repeatedly (Repeat Play).

MODE



- 1 Press MODE to enter the functions mode while playing a tune you want to hear over again on a cassette.

11 RPT



- 2 Press RPT (repeat), while still in the functions mode, so that "REPEAT" appears on the display.

RPT indicator



When the tune has been played, the tape is automatically rewound to the beginning of that tune and the same tune will be played again.

To cancel Repeat Play, repeat steps 1 and 2 again so that the RPT indicator goes off.

Note:

In the following cases, Blank Skip and Repeat Play 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.
- Tapes with tunes recorded at low recording levels.

Prohibiting cassette ejection

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

While pressing TAPE ◀▶, press and hold ▲ (eject) for more than 2 seconds.



"NO EJECT" flashes on the display for about 5 seconds, and the cassette is locked and cannot be ejected.



To cancel the prohibition and unlock the cassette

While pressing TAPE ◀▶, press and hold ▲ (eject) again for more than 2 seconds.

"EJECT OK" flashes on the display for about 5 seconds, and the cassette is unlocked.



Note:

If you press ▲ (eject) while cassette ejection is prohibited, the cassette will not be ejected.



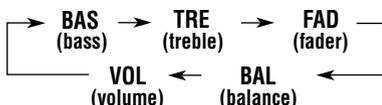
Adjusting the sound

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:

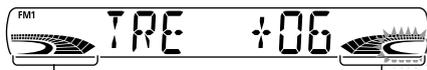
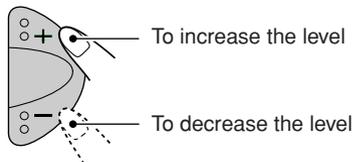


Indication	To do:	Range
BAS (Bass)	Adjust the bass.	-06 (min.) +06 (max.)
TRE (Treble)	Adjust the treble.	-06 (min.) +06 (max.)
FAD* ¹ (Fader)	Adjust the front and rear speaker balance.	R06 (Rear only) F06 (Front only)
BAL (Balance)	Adjust the left and right speaker balance.	L06 (Left only) R06 (Right only)
VOL * ² (Volume)	Adjust the volume.	00 (min.) 50 (max.)

*¹ If you are using a two-speaker system, set the fader level to "00."

*² Normally, the + and - buttons work as the volume control. So you do not have to select "VOL" to adjust the volume level.

2 Adjust the level.



Tone level indicator changes as you adjust the bass or treble.

Ex.: When you adjust "TRE" (treble)

3 Repeat steps 1 and 2 to adjust the other items.

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 levels.



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



LOUD indicator





Selecting preset sound modes

You can select a preset sound adjustment suitable to the music genre.

Select the sound mode you want.



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

→ **SCM OFF** → **BEAT** → **SOFT** → **POP**



Ex.: When you select "BEAT"

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

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" below.
- To adjust the bass and treble reinforcement levels or to turn on/off the loudness function, see page 13.

Storing your own sound adjustments

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

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

1 Call up the sound mode you want to adjust.



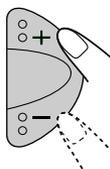
- See left column for details.

2 To adjust the bass or treble level

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



- Adjust the level.



To turn on or off the loudness function



- See page 13 for details.

3 Repeat step 2 to adjust the other items.

4 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.

5 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 the left column.



Selecting the level meter —LEVEL

You can select the level meter display according to your preference.

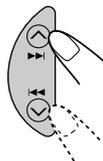
When shipped from the factory, "AUDIO 2" is selected.

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

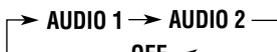
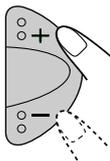
"CLOCK H," "CLOCK M," "LEVEL," "B. SKIP," or "EXT IN" appears on the display.



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



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



- AUDIO 1: Shows the audio level indicator.
- AUDIO 2: Alternates "AUDIO 1" setting and illumination display.
- OFF: Erases the audio level indicator.

4 Finish the setting.



Selecting the external component to use—EXT IN

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

To use the external component as the playback source through this unit, you need to select which component—CD changer or external component—to use.

When shipped from the factory, CD changer is selected as the external component.

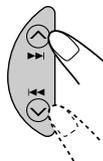
1 Press and hold SEL (select) for more than 2 seconds.

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

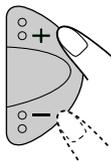


2 Select "EXT IN"* if not shown on the display.

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



3 Select the desired mode—"CHANGER" or "LINE IN."



CHANGER ↔ LINE IN

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

4 Finish the setting.



Note:

For connecting the Line Input Adapter KS-U57 and the external component, see page 21.



Detaching the control panel

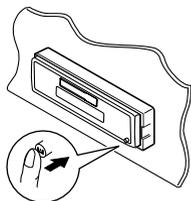
You can detach the control panel when leaving the car.

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.

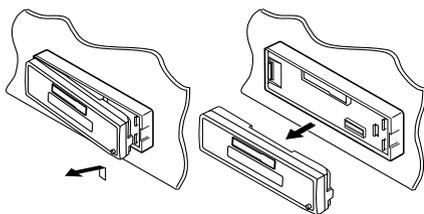
Detaching the control panel

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

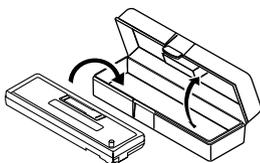
- 1 Unlock the control panel.



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

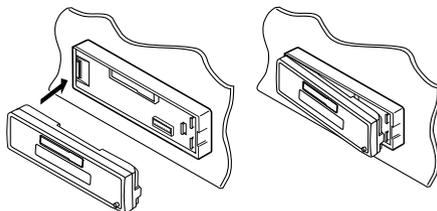


- 3 Put the detached control panel into the provided case.

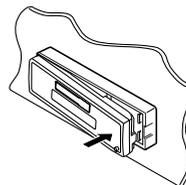


Attaching the control panel

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

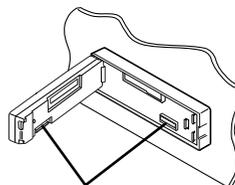


- 2 Press the right side of the control panel to fix it to the panel holder.



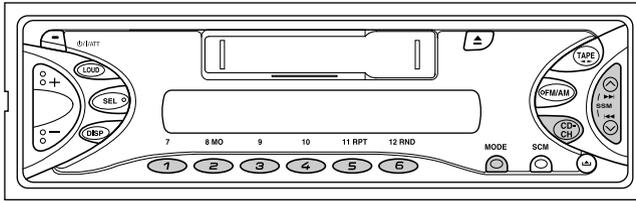
Note on cleaning the connectors:

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

CD CHANGER OPERATIONS



We recommend that you use the JVC MP3-compatible CD changer with your unit.

By using this CD changer, you can play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) recorded either in audio CD format or in MP3 format.

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

About MP3 discs

What is MP3?

MP3 is an abbreviation of Motion Picture Experts Group (or MPEG) Audio Layer 3. MP3 is simply a file format with a data compression ratio of 1:10 (128 Kbps*). That means, by using MP3 format, one CD-R or CD-RW can contain 10 times as much data volume as a regular CD can.

* *Bit rate is the average number of bits that one second of audio data will consume. The unit used is Kbps. To get a better audio quality, choose a higher bit rate. The most popular bit rate for encoding is 128 Kbps.*

Incompatible with ID3-tag

ID3-tag is extra information data stored within an MP3 file such as album title, performer name, song title, recording year, music genre and a brief comment.

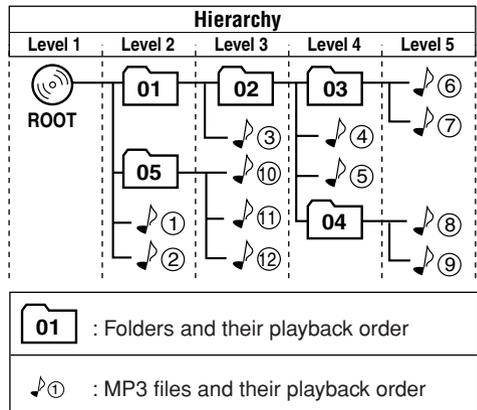
- This unit cannot show ID3-tag on the display.

How are MP3 files recorded?

MP3 files can be recorded in “folders.”

During recording, the files and folders can be arranged in a way similar to arranging files and folders of computer data.

“Root” is similar to the root of a tree. Every file and folder can be linked to and be accessed from the root.



Connecting the CD changer

Before connecting the CD changer

- To prevent short circuits, it is recommended to disconnect the car battery's negative terminal and make all electrical connections before connecting the CD changer.
- When mounting the unit removed from your car, be sure to use the screws provided, as instructed. If other screws are used, there is a possibility that parts could become loose or damaged.
- When tightening screws or bolts, be careful not to pinch any connection cord.
- If you are not sure how to connect the CD changer correctly, consult your car dealer or JVC car audio dealer, or have it installed by a qualified technician. Refer also to the instructions supplied for the CD changer.

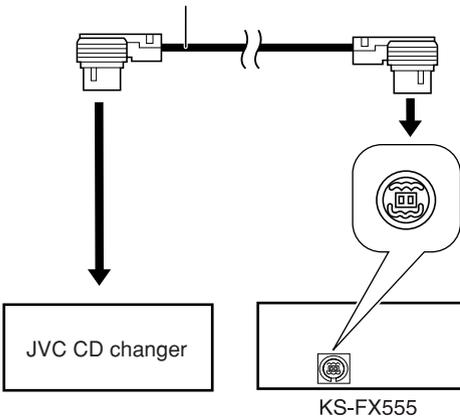
The following illustration shows the connection to JVC CD changer. If you have another CD changer, consult your car dealer or JVC car audio dealer for connections.

1 Remove this receiver from your car.

- Be sure to keep all the screws and parts removed from your car.

2 Connect this receiver to JVC CD changer with the connection cord supplied for the CD changer.

Connection cord supplied for the CD changer



3 Re-install this receiver to your car using the screws removed in step 1.

- For JVC CD changer installation, refer to the instructions supplied for JVC CD changer.

Playing discs

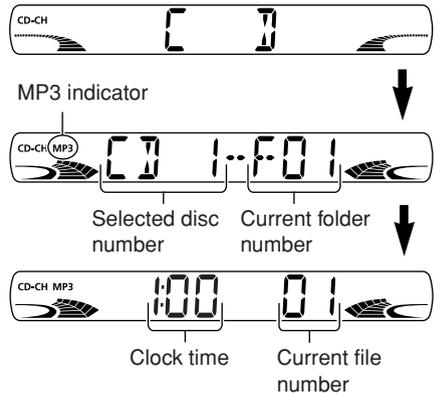
Select the CD changer (CD-CH)*.



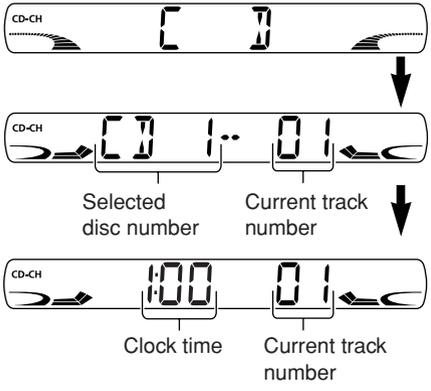
- * If you have not connected a CD changer, or if you have changed the "EXT IN" setting to "LINE IN" (see page 15), you cannot select the CD changer.

• When the current disc is an MP3 disc:

Playback starts from the first folder of the current disc once file check is completed.



- **When the current disc is a CD:**
Playback starts from the first track of the current disc.

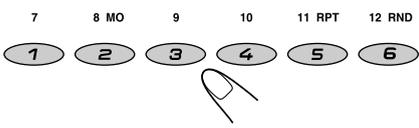


Notes:

- When you press CD-CH, the power automatically comes on. You do not have to press /MATT to turn on the power.
- If you change the source, CD changer play also stops. Next time you select the CD changer as the source, CD changer play starts from where playback has been stopped previously.

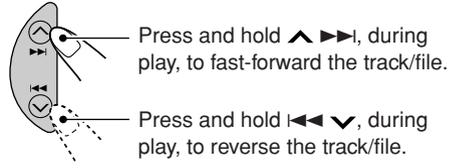
To go to a particular disc directly

Press the number button corresponding to the disc number to start its playback (while the CD changer is playing).

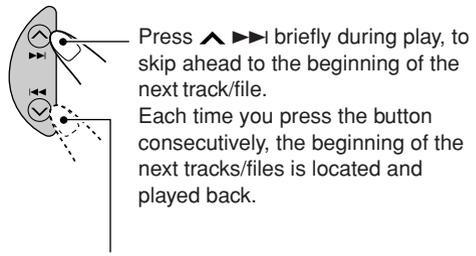


- To select a disc number from 1 – 6:
Press 1 (7) – 6 (12) briefly.
- To select a disc number from 7 – 12:
Press and hold 1 (7) – 6 (12) for more than one second.

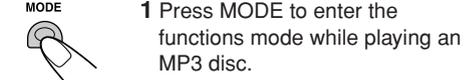
To fast-forward or reverse the track/file



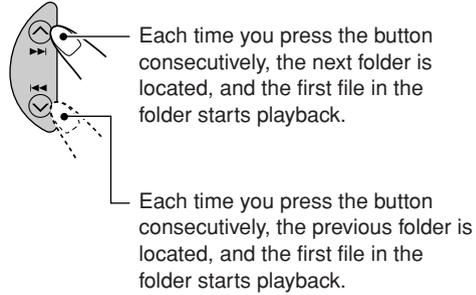
To skip to the next or previous tracks/files



To skip to the next or previous folder (only for MP3 discs)



- 2** Press or while still in the functions mode.



Selecting the playback modes

To play back tracks/files at random (Disc Random/Magazine Random Play)

MODE



1 Press MODE to enter the functions mode during play.

12 RND



2 Press RND (random), while still in the functions mode, so that "DISC RND" or "MAG RND" appears on the display. Each time you press the button, the random play mode changes as follows:



RND indicator



Ex.: When you select "DISC RND"

Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	RND indicator	Plays at random
DISC RND	Lights	All tracks/files of the current (or specified) disc.
MAG RND	Flashes	All tracks/files of the inserted discs.

To play back tracks/files repeatedly (Track Repeat/Disc Repeat Play)

MODE



1 Press MODE to enter the functions mode during play.

11 RPT



2 Press RPT (repeat), while still in the functions mode, so that "TRK RPT" or "DISC RPT" appears on the display. Each time you press the button, the repeat play mode changes as follows:



RPT indicator

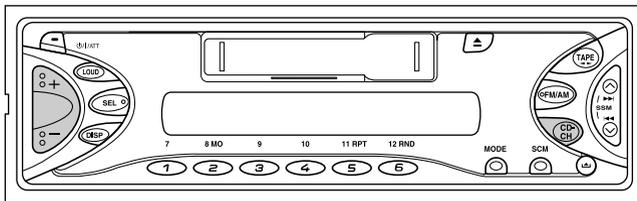


Ex.: When you select "TRK RPT"

Note:

MP3 indicator also lights up if the current playing disc is an MP3 disc.

Mode	RPT indicator	Plays repeatedly
TRK RPT	Lights	The current (or specified) track/file.
DISC RPT	Flashes	All tracks/files of the current (or specified) disc.



Playing an external component

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

Preparations:

- For connecting the Line Input Adapter KS-U57 and the external component, see below.
- Before operating the external component using the following procedure, select the external input correctly. See “Selecting the external component to use—EXT IN” on page 15.

1 Select the external component (LINE IN).



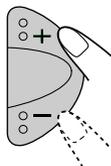
- If “LINE IN” does not appear on the display, see page 15 and select the external input (“LINE IN”).

Note on One-Touch Operation:

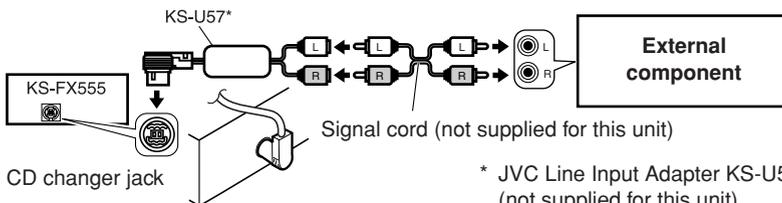
When you press CD-CH, the power automatically comes on. You do not have to press /ATT to turn on the power.

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

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 13 and 14.)



* JVC Line Input Adapter KS-U57 (not supplied for this unit)



TROUBLESHOOTING

ENGLISH

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

	Symptoms	Causes	Remedies
General	• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
		Connections are incorrect.	Check the cords and connections.
	• This unit does not work at all.	The built-in microcomputer may have functioned incorrectly due to noise, etc.	While holding SEL (select), press ⏻/I/ATT (standby/on/attenuator) for more than 2 seconds to reset the unit. (Your preset adjustments will also be erased.) (See page 2.)
FM/AM	• 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.
Tape Playback	• A cassette tape cannot be ejected.	Cassette ejection is prohibited.	While holding TAPE ◀▶ , press ▲ (eject) for more than 2 seconds.
	• 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.
	• Cassette tapes become hot.	This is not a malfunction.	_____
	• Tape sound is at very low level and sound quality is degraded.	The tape head is dirty.	Clean it with a head cleaning tape.



Symptoms	Causes	Remedies
<ul style="list-style-type: none"> • “NO CD” appears on the display. 	No disc is in the magazine.	Insert discs into the magazine.
	Discs are inserted upside down.	Insert discs correctly.
	Discs are unplayable.	Insert playable discs.
	The current disc does not contain any MP3 files.	Insert a disc that contains MP3 files.
<ul style="list-style-type: none"> • “NO MAG” appears on the display. 	No magazine is loaded in the CD changer.	Insert the magazine.
<ul style="list-style-type: none"> • “RESET 8” appears on the display. 	This unit is not connected to the 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 CD changer does not work at all. 	The built-in microcomputer may function incorrectly due to noise, etc.	While holding SEL (select), press ⏻/I/ATT (standby/on/attenuator) for more than 2 seconds to reset the unit. (Your preset adjustments will also be erased.) (See page 2.)
<ul style="list-style-type: none"> • Disc cannot be played back. 	No MP3 files are recorded on the disc.	Change the disc.
	MP3 files do not have the extension code <code><.mp3></code> in their file names.	Add the extension code <code><.mp3></code> to their file names.
	MP3 files are not recorded in the format compliant with ISO 9660 Level 1 or Level 2.	Change the disc. (Record MP3 files using a compliant application.)
<ul style="list-style-type: none"> • Noise is generated. 	The file played back is not an MP3 file (although it has the extension code <code><.mp3></code>).	Skip to another file or change the disc. (Do not add the extension code <code><.mp3></code> to non-MP3 files.)
<ul style="list-style-type: none"> • A longer readout time is required. 	Readout time varies due to the complexity of the folder/file configuration.	It is not recommended to use too many hierarchies and folders, and to record any other types of audio files together with MP3 files.
<ul style="list-style-type: none"> • Files cannot be played back as you have intended them to play. 	Playback order is determined when the files are recorded.	Insert a disc that contains files encoded in an appropriate format.

CD Changer (General)

CD Changer (MP3 discs)

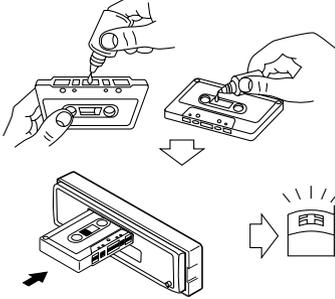


MAINTENANCE

ENGLISH

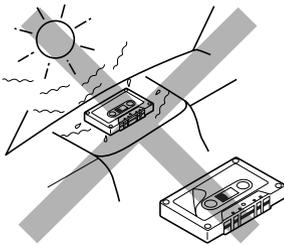
This unit requires very little attention, but you will be able to extend the life of the unit if you follow the instructions below.

To clean the head



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

CAUTION:

- Do not play the cassettes 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

- Turning off the ignition key with a cassette in the compartment automatically releases the tape from the unit's tapehead.
- Turning on the ignition key with a cassette in the compartment starts playback automatically if you turned off the ignition during tape play.

AUDIO AMPLIFIER SECTION

Maximum Power Output:

Front: 45 W per channel

Rear: 45 W per channel

Continuous Power Output (RMS):

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

Rear: 17 W 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

Line-Out Level/Impedance:

2.0 V/20 k Ω load (250 nWb/m)

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)

Stereo Separation: 30 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

CASSETTE DECK SECTION

Wow & Flutter: 0.11% (WRMS)

Frequency Response: 30 Hz to 16 000 Hz
(Normal tape)

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

Dimensions (W \times H \times D):

Installation Size (approx.):

178 mm \times 50 mm \times 150 mm

Panel Size (approx.):

170 mm \times 46 mm \times 19 mm

Mass (approx.):

1.3 kg (excluding accessories)

*Design and specifications are subject to change
without notice.*

Having TROUBLE with operation?
Please reset your unit
Refer to page of How to reset your unit



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