JVC
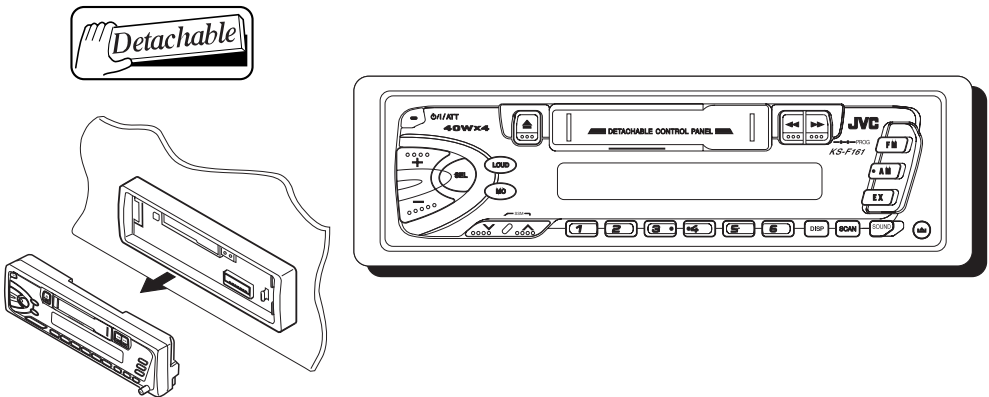
CASSETTE RECEIVER

卡座收音組合機

วิทยุเครื่องเล่นเทป

KS-F161

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

GET0053-001A

[U]

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.
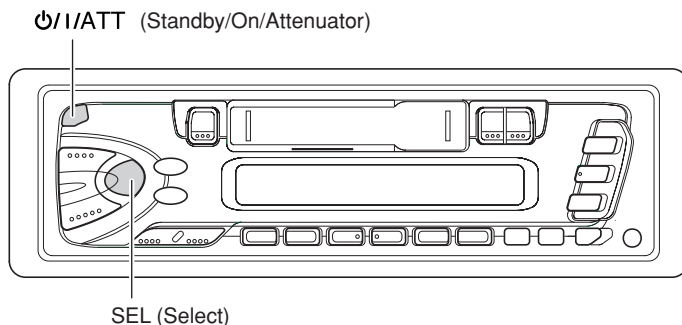
CONTENTS

How to reset your unit

Press and hold both the SEL (Select) and ⏻/I/ATT (Standby/On/Attenuator) buttons at the same time for several seconds.
This will reset the built-in microcomputer.

⏻/I/ATT (Standby/On/Attenuator)

SEL (Select)

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.*
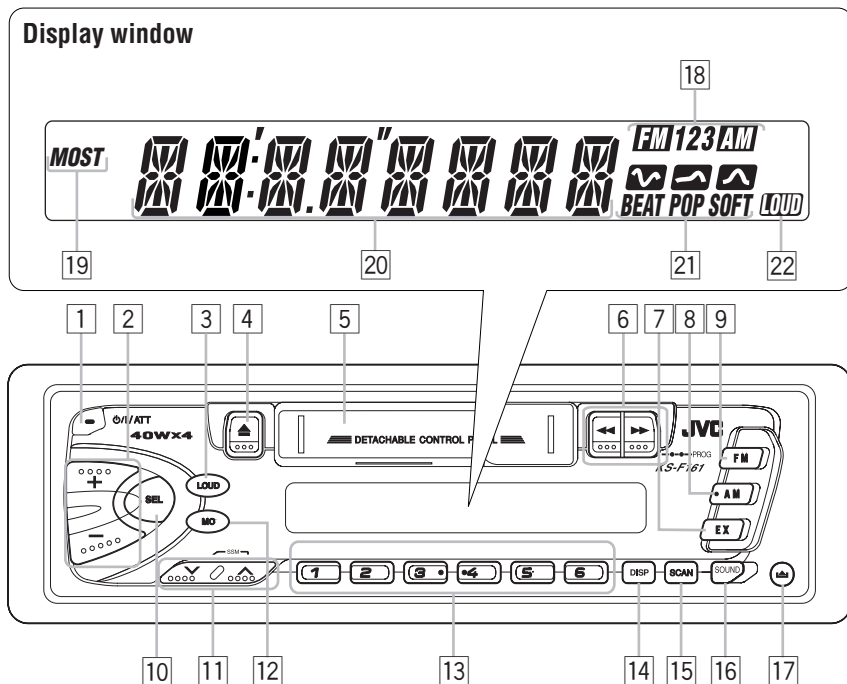• *Stop the car before performing any complicated operations.*

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.

Control panel

Display window

1. ☉/I/ATT (Standby/On/Attenuator) button
2. +/– button
3. LOUD (Loudness) button
4. ⏏ (Eject) button
5. Cassette compartment
6. ◄◄ / ►► (PROG program) button
7. Ex button
8. AM button
9. FM button
10. SEL (Select) button
11. ⌄ / ⌃ buttons
    - *Also functions as SSM buttons when pressed together.*
12. MO (Monaural) button
13. Number buttons
14. DISP (Display) button
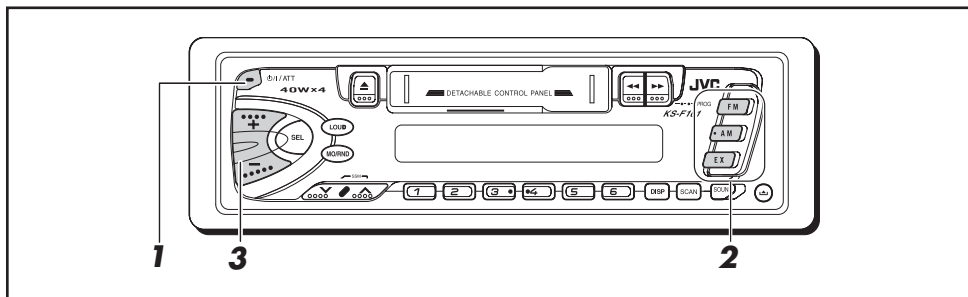15. SCAN (Scan) button
16. SOUND button
17. ⏏ (Control panelrelease) button

Display window
18. Band indicators FM1, FM2, FM3, AM
19. MO (Monaural) indicators,
    ST (Stereo) indicators
20. Main display
21. Sound mode indicators
    BEAT, POP, SOFT
22. LOUD (Loudness) indicator

BASIC OPERATIONS

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.*
• *If the cassette is already in the cassette compartment, tape play starts automatically. However, it is not recommended to leave the cassette in the compartment when turning off the power or ignition key. It may damage the tape head and the cassette.*
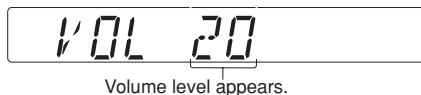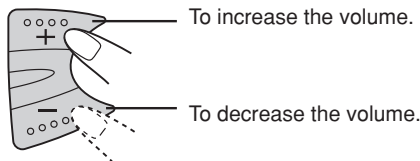
2 Select the source.
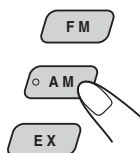
To operate the tuner (FM or AM),
see pages 5 – 8.
To operate the tape,
see page 9.
EX (extra) button: To use this button, you need to preset your favorite station in advance. For details, see pages 7 – 8.

3 Adjust the volume.

To increase the volume.

To decrease the volume.

Volume level appears.

4 Adjust the sound as you want. (See pages 10 – 11.)

To drop the volume in a moment

Press ⏻/I/ATT briefly while listening to any source. "ATT" starts flashing on the display, and the volume level will drop in a moment.
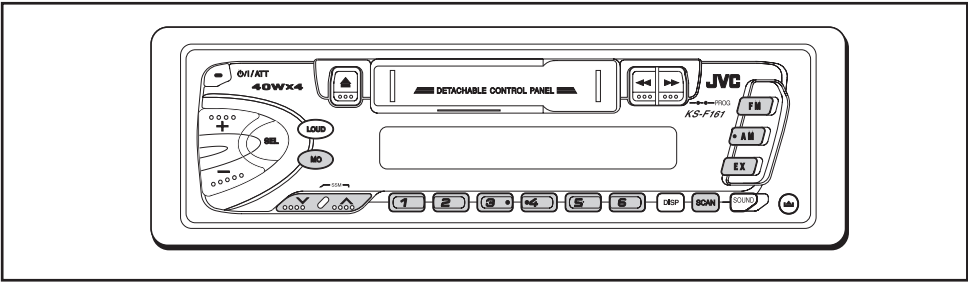To resume the previous volume level, press the button briefly again.

To turn off the power

Press and hold ⏻/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 12.
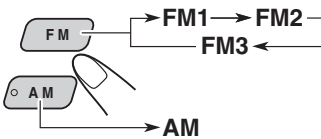
Listening to the radio

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

Note:
When a cassette is in the cassette compartment, you cannot select the tuner. Be sure to eject the cassette from the cassette compartment to listen to the radio.

Searching a station automatically: Auto search
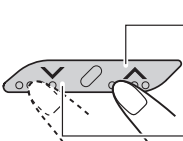
1 **Select the band (FM1 – 3, AM).**

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.**

To search stations of higher frequencies.

To search stations of lower frequencies.

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 a station manually: Manual search

1 **Select the band (FM1 – 3, AM).**
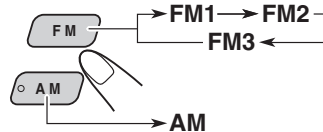
Note:
This receiver has three FM bands (FM1, FM2, FM3). You can use any one of them to listen to an FM broadcast.

2 **Press and hold ⋀ or ⋁ until "M" (manual) starts flashing on the display.**
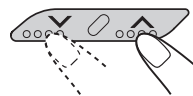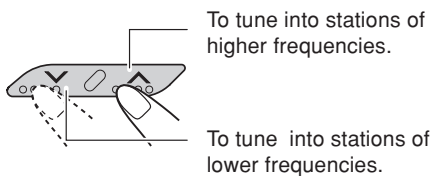

Selected band appears.

5

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

To tune into stations of higher frequencies.

To tune into 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:

Press MO (monaural) while listening to an FM stereo broadcast.
- Each time you press the button, the MO indicator lights up and goes off alternately.

Lights up when receiving an FM broadcast in stereo.

ST **88.3** FM1
BEAT POP SOFT LOUD

MO

↕

MO **MONO** FM1
BEAT POP SOFT LOUD
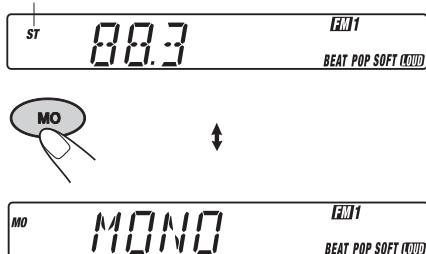
When the MO indicator is lit on the display, the sound you hear becomes monaural but the reception will be improved (the ST indicator goes off).

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

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
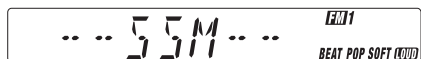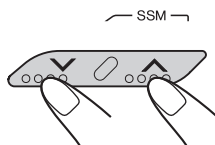
FM station automatic preset: SSM

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.

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

FM → FM1 → FM2 → FM3 →
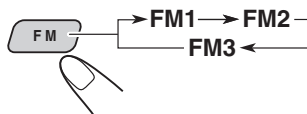
2 Press and hold both buttons for more than 2 seconds.

SSM

SSM FM1
BEAT POP SOFT LOUD

"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 into.
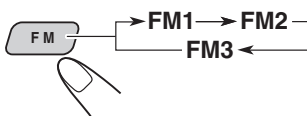
ENGLISH

Manual preset

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

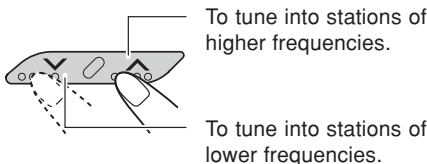Ex.: Storing an FM station of 88.3 MHz into the preset number 1 of the FM1 band.

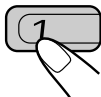**1 Select the band (FM 1 – 3, AM) you want to store Stations into (in this example, FM 1).**

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

F M → FM1 → FM2 → FM3 ←

2 Tune into a station of 88.3 MHz.

To tune into stations of higher frequencies.

To tune into stations of lower frequencies.

ST **88.3** FM1
BEAT POP SOFT LOUD

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

1

ST **88.3** P1 FM1
BEAT POP SOFT LOUD

Press number "P1" flashes for a while.

4 Repeat the above procedure to store other stations into other preset numbers.
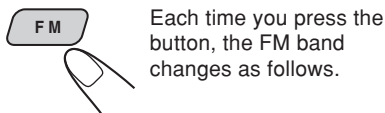
Note:
- *A previously preset station is erased when a new station is stored in the same preset number.*
- *Preset stations are erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the stations again.*

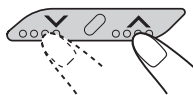# Storing your favorite stations into the one-touch operation button (EX-extra)

You can preset an FM or AM station (such as your favorite station or traffic announcement station); and recall it by one touch operation even if the unit is turned off.

Ex: Storing an FM station of 88.3 MHz into the one-touch operation button (EX).

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

F M

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

→ FM1 → FM2 → FM3 ←

2 Turn into a station (in this example, of 88.3 MHz).

3 Press and hold the button for more than 2 second.

E X

88.3 P0 FM
BEAT POP SOFT LOUD

"P0" flashes on the display, showing that the station has been preset.

7

Note:

- *A previously preset station is erased when a new station is stored in the EX button.*
- *The preset station is erased when the power supply to the memory circuit is interrupted (for example, during battery replacement). If this occurs, preset the station again.*

To tune in the favorite station

E X
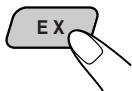
The unit automatically turns on (if it has been off)

Your favorite station is tuned in-except when the tape is playing.

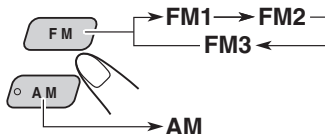- *If you press the button again, the last received station will be tuned in.*

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 pages 6 – 7.

1 **Select the band (FM1 – 3, AM).**

F M → FM1 → FM2
FM3
A M → AM

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

1 2 3 4 5 6

Scanning broadcast stations

SCAN

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 broadcast.

If you want to listen to that program, press the same button again to stop scanning.
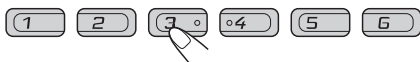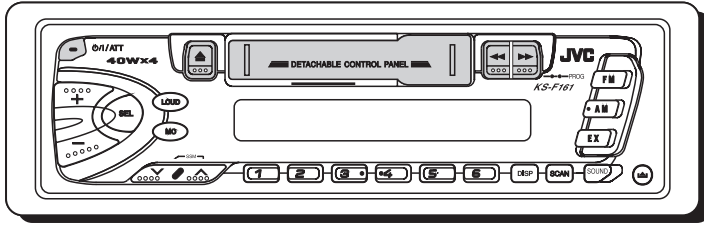
# Listening to a cassette

You can playback type 1 (normal) tapes.

1 Turn on the power.

Note on One-Touch Operation:

If a cassette is already in the cassette compartment, tape play starts automatically. However, it is not recommended to leave the cassette in the compartment when turning off the power or ignition key. It may damage the tape head and the cassette.
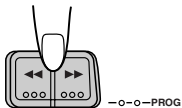
2 Insert a cassette into the cassette compartment.
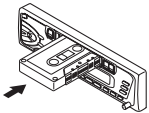
When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

3 Select the tape direction.

Press the both buttons at the same time. Each time you press the button, the tape direction changes alternatively – forward ($TAPE \rangle \rangle \rangle$) and reverse ($TAPE \langle \langle \langle$).


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.

• You cannot change the source if the cassette is still in the cassette compartment.
  To change source, you must eject the cassette first.

• You can also eject the cassette by pressing ▲ while the unit is turned off.
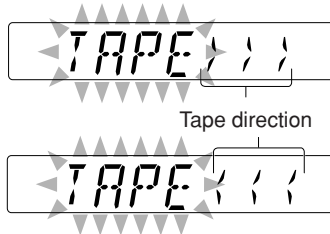
To fast-wind a tape
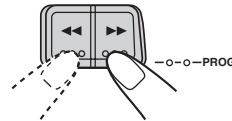
Press in ►► or ◄◄.
The tape will be wound in the direction of the arrows (►► or ◄◄).

To restart playback, lightly press the other button which is not pressed in (◄◄ or ►►).
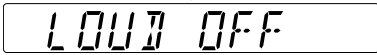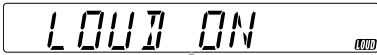

Tape direction

9

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

LOUD

LOUD ON 🔊

⬍

LOUD OFF

Selecting preset sound modes

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

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

SOUND

→ SCM OFF → 〰 → 〰 → 〰 →
(BEAT) (POP) (SOFT)
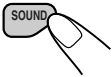
Indication	For:	Preset values		
		BAS	TRE	LOUD
SCM OFF	(Flat sound)	00	00	On
BEAT	Rock or disco music	+2	00	On
POP	Light music	+4	+1	Off
SOFT	Quiet background music	+1	–3	Off

Note:
- *You can adjust the preset 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 11.
- *To adjust only the bass and treble reinforcement levels to your preference, see "Adjusting the sound" on page 10.*
- *When one of the sound modes is selected, it is shown on the display as follows:*

POP 〰 BEAT POP SOFT
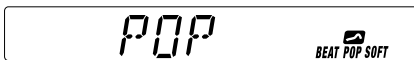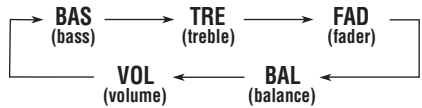
For example, when "POP" is selected.

Adjusting the sound

You can adjust the sound characteristics to your preference.

1 Select the item you want to adjust.

SEL

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

→ **BAS** → **TRE** → **FAD** →
(bass) (treble) (fader)
VOL ← **BAL** ←
(volume) (balance)

Indication	To do:	Range
BAS (Bass)	Adjust the bass.	–6 (min.) | +6 (max.)
TRE (Treble)	Adjust the treble.	–6 (min.) | +6 (max.)
FAD* (Fader)	Adjust the front and rear speaker balance.	R6 (Rear only) | F6 (Front only)
BAL (Balance)	Adjust the left and right speaker balance.	L6 (Left only) | R6 (Right only)
VOL (Volume)	Adjust the volume.	00 (min.) | 50 (max.)

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

2 Adjust the level.
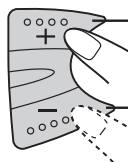
To increase the level.

To decrease the level.

Note:
Normally, the +/– buttons works as the volume control. So you do not have to select "VOL" to adjust the volume level.

10

Storing your own sound adjustments

You can adjust the sound modes (BEAT, POP, SOFT: see page 10) to your preference and store your own adjustments in memory.
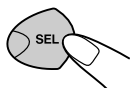• There is a time limit in doing the following procedure. If the setting is canceled before you finish, start from step 1 again.

1 Call up the sound mode you want to adjust.
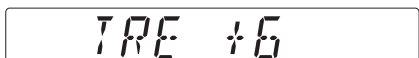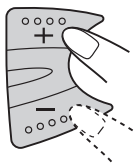
See page 10 for details.

SOUND

$$BEAT \qquad \text{BEAT POP SOFT (LOUD)}$$
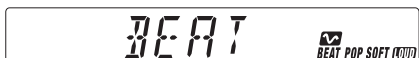
2 Select "BAS" (bass), "TRE" (treble)

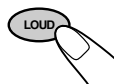**SEL**

$$TRE \quad 00$$

3 Adjust the bass or treble level.

See page 10 for details.

$$TRE \quad +6$$

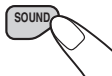## *4* To turn on or off the loudness function

Each time you press LOUD, the loudness function turns on and off alternately. See page 10 for details.

LOUD

5 Repeat step 2 and 3 to adjust the other items.

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

Your setting is stored in memory.
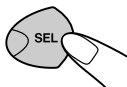
SOUND

$$BEAT \qquad \text{BEAT POP SOFT (LOUD)}$$

7 Repeat the same procedure to store other setting.

To reset to the factory settings

Repeat the same procedure and reassign the preset values listed in the table on page 10.
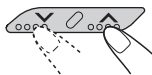
11

Setting the clock

1 **Press and hold the button for more than 2 seconds.**
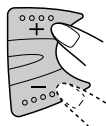
"CLOCK H" or "CLOCK M" appears on the display.

SEL

2 **Set the hour.**

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

2. Adjust the hour.

3 **Set the minute.**

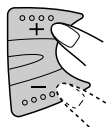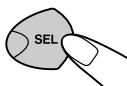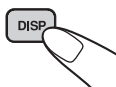1. Select "CLOCK M"

2. Adjust the minute.

4 **Please SEL (Select) to finish the setting.**

SEL

To check the current clock time or change the display mode.

DISP

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

• **During tuner operation:**

   Frequency ◄──► Clock

• **During tape operation:**

   Play mode (tape direction) ◄──► Clock
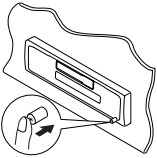
Detaching the control panel

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.**
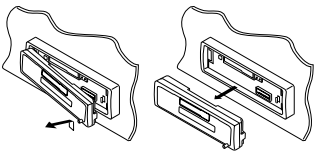
3 **Put the detached control panel into the provided case.**
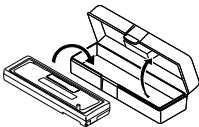
How to attach the control panel

1 **Insert the left side of the control panel into the groove on the panel holder.**
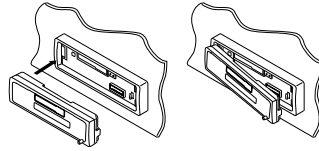
2 **Press the right side of the control panel to fix it to the panel holder.**
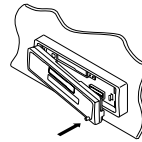
Note on cleaning the connectors:
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.

Connectors

13

⁉️ MAINTENANCE

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
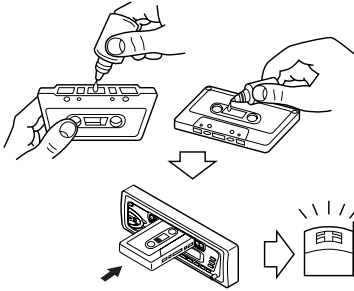
• Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store).
  When the head becomes dirty, you may realize the following symptoms:
  – Sound quality is reduced.
  – Sound level decreases.
  – Sound drops out.
• Do not play dirty or dusty tapes.
• Do not touch the highly-polished head with any metallic or magnetic tools.
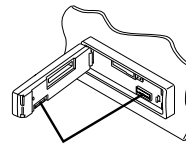
To keep the tape clean
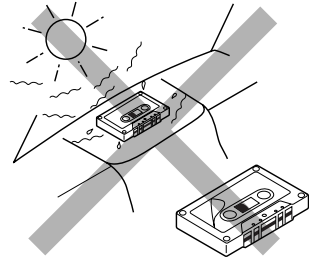
• Always store the tapes to their storage cases after use.
• Do not store tapes in the following places:
  – Subject to direct sunlight
  – With high humidity
  – At extremely hot temperatures

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.*

TROUBLESHOOTING ❓❗

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

Symptoms	Causes	Remedies
• 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.
• Sound is sometimes interrupted.	Connections are not good.	Check the cords and connections.
• 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.
• Static noise while listening to the radio.	The antenna is not connected firmly.	Connect the antenna firmly.
• The unit does not work at all.	The built-in microcomputer may function incorrectly due to noise, etc.	While holding SEL, press ⏻/I/ATT for more than 2 seconds to reset the unit. (The clock setting and preset stations stored in memory are erased.) (See page 2.)
• SSM (Strong-station Sequential Memory) automatic preset does not work.	Signals are too weak.	Store stations manually.

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: 1.0 V/20 kΩ 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 µV/75 Ω)
50 dB Quieting Sensitivity:
            16.3 dBf (1.8 µV/75 Ω)
Alternate Channel Selectivity (400 kHz):
            65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB
Capture Ratio: 2.0 dB

[AM Tuner]
Sensitivity: 20 µV
Selectivity: 35 dB

CASSETTE DECK SECTION

Wow & Flutter: 0.15% (WRMS)
Fast-Wind Time: 190 sec. (C-60)
Frequency Response:
    50 Hz to 14 000 Hz (normal tape)
Signal-to-Noise Ratio: 52 dB
Stereo Separation: 40 dB

GENERAL

Power Requirement
Operating Voltage: DC 14.4 V (11 V to 16 V
    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: 1.3 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