JVC

CASSETTE RECEIVER — KS-FX7
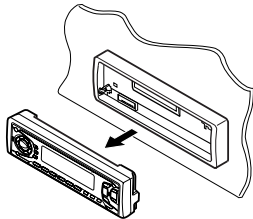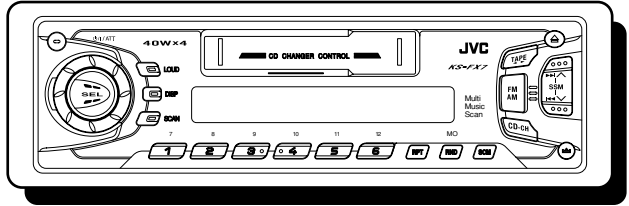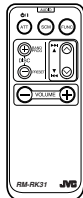
RADIO KASET — KS-FX7

For installation and connections, refer to the separate manual.
Untuk instalasi dan penyambungan, lihat buku pedoman terpisah.

INSTRUCTIONS
BUKU PETUNJUK

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

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.

2

BASIC OPERATIONS
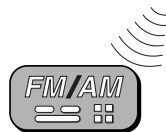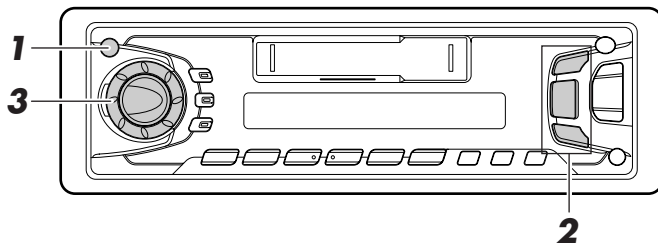
Note:
When you use this unit for the first time, set the built-in clock correctly, see page 18.

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
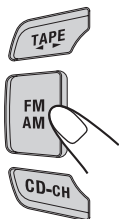
Select the source.

To operate the tuner, see pages 4 – 8.
To operate the tape deck, see pages 9 – 11.

To operate the CD changer, see pages 23 – 25.
To operate the external component, see pages 26 – 27.

3
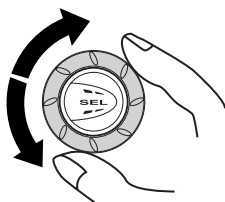
Adjust the volume.

$$VOL \quad 20$$

Volume level indicator   Volume level appears

4

Adjust the sound as you want (see pages 12 – 17).

To drop the volume in a moment

Press Ꮨ/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 Ꮨ/I/ATT for more than 1 second.

3

Listening to the radio

1
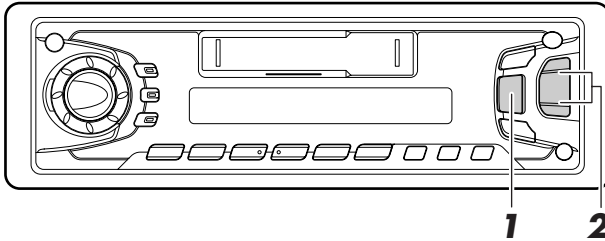
Select the band (FM1, FM2, FM3 or AM).
You can select any one of FM1, FM2, and FM3 to listen to an FM station.

FM1 → FM2 → FM3 → AM

Selected band appears

87.5   FM1
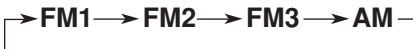
Audio or volume level indicator

2
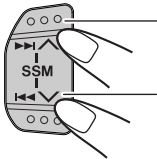
To search stations of higher frequencies.

To search stations of lower frequencies.

Start searching a station.
When a station is received, searching stops.

88.3   FM1

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 ▶▶| ∧ or |◀◀ ∨ until "M" starts flashing on the display.
Now you can manually change the frequency while "M" is flashing.

3 Press ▶▶| ∧ or |◀◀ ∨ 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, FM2, and FM3).

1   *2*

1

FM
AM

→ **FM1** → **FM2** → **FM3** → AM
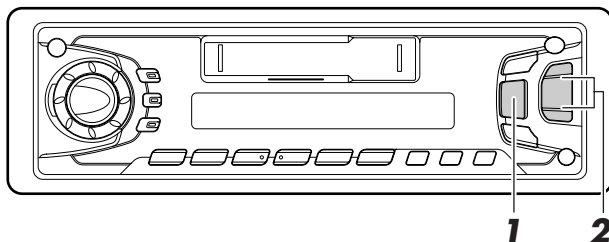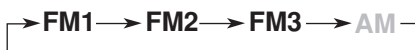
Select the FM band number (FM1, FM2 or FM3) you want to store FM stations into.

2

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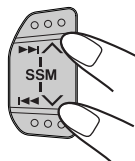
Press and hold the both buttons for more than 2 seconds.

$\cdots \cdots S.SM \cdots \cdots$ *FM1*
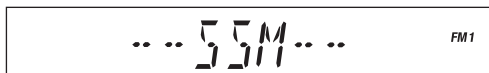
"SSM" appears, then disappears when automatic preset is over.

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.

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

3   *1* *2*
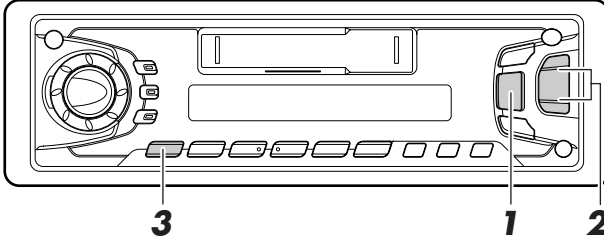
1

Select the FM1 band.

87.5   FM1

2
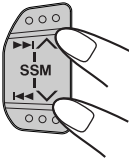
Tune into a station of 88.3 MHz.
See page 4 to tune into a station.

88.3   FM1

3

Press and hold the button for more than 2 seconds.

88.3   *P1*   FM1

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 pages 5 and 6.

2   **1**

1
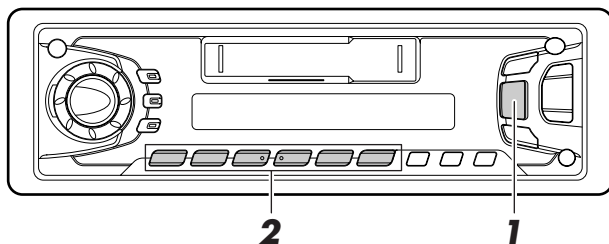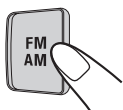
Select the band (FM1, FM2, FM3 or AM) you want.

$$\rightarrow \text{FM1} \longrightarrow \text{FM2} \longrightarrow \text{FM3} \longrightarrow \text{AM}$$

2

1   2   3 ○   ○ 4   5   6
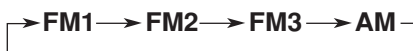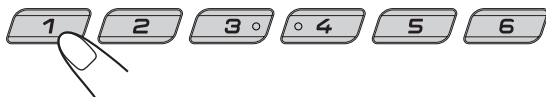
Select the number (1 – 6) for the preset station you want.

Other convenient tuner functions

SCAN   MO/RND
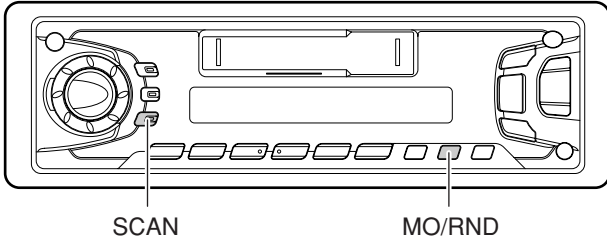
Scanning broadcast stations

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.

8

TAPE OPERATIONS 📼

Listening to a tape

1 **2**
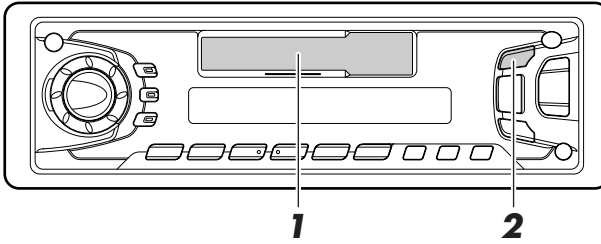
1
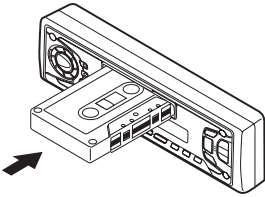
Insert a cassette.
The unit turns on and tape play starts automatically.
When one side of the tape reaches its end during play, the other side of the tape automatically starts playing. (Auto Reverse)

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 ($TRPE$) and reverse ($TRPE$).

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.

$$F\ F\ \ \ \ \ \ \ \ \ $$

Tape direction

$$REW\ \ \ \ \ \ \ \ $$
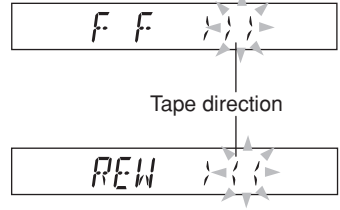
To stop fast-forward and rewind at any position on the tape, press TAPE ◄ ►.
Tape play starts from that position on the tape.

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.

►►| ⋀
|◄◄ ⋁
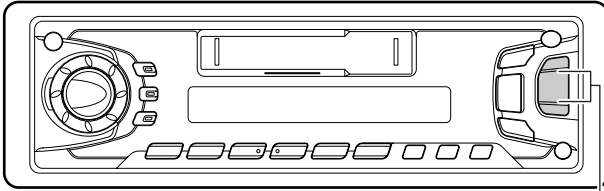
During playback
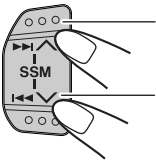
To locate a tune ahead of the current tune on the tape

To locate a tune before the current tune on the tape

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

$$MM5\ \ \ \ +2\ $$
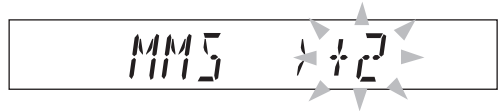
Each time you set the tune, the number changes up to ±9.

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.*

10

Other convenient tape functions

RPT   TAPE
       ◄ ►
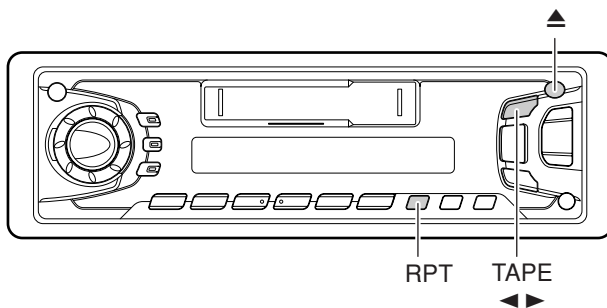
Prohibiting tape ejection

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 ►►I ∧ or I◄◄ ∨ .
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

$$REPEAT \quad {}^{RPT}$$

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.*

11

♪ *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.

LOUD

LOUD ON LOUD FM1 ←→ *LOUD OFF* FM1
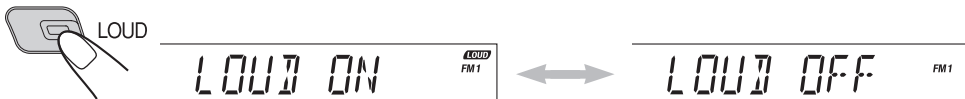
Selecting preset sound modes

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

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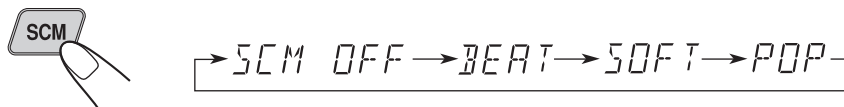
SCM

SCM OFF → BEAT → SOFT → POP

Indication	For:	Preset values		
		Bass	Treble	Loudness
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

Notes:
* *You can adjust the preset sound mode as you like, and store in memory.*
  If you want to adjust and store your original sound mode, see "Storing your own sound adjustments" on page 17.
* *To adjust only the bass and treble reinforcement levels as you like, see "Adjusting the sound" on page 13.*

Adjusting the sound

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

1
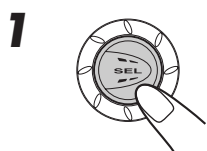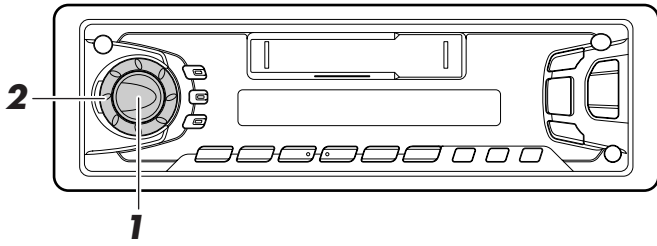
Select the item you want to adjust.

$\rightarrow BAS \rightarrow TRE \rightarrow FAD \rightarrow BAL \rightarrow VOL$

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
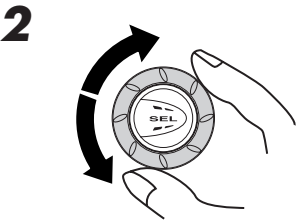
Adjust the level.

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

13

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, FM2, FM3, 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 16.

"SCM" indicator

1

1

SCM
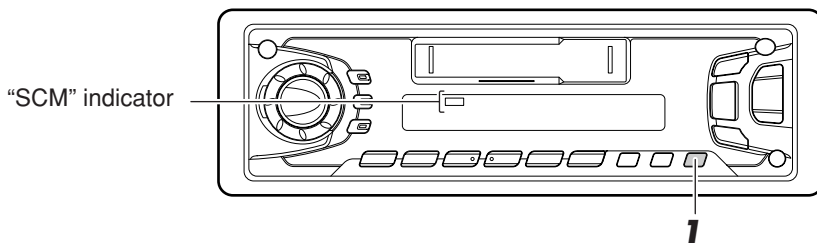
Select the sound mode you want.

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

$$\rightarrow 5CM \ \ OFF \rightarrow BEAT \rightarrow 50FT \rightarrow POP \rightarrow$$
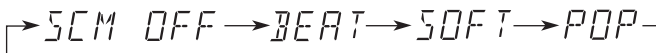
• When "SCM LINK" is set to "LINK ON", the selected sound mode can be stored in memory for the current source and the effect applies only to the current source. Each time you change the playback source, the SCM indicator flashes on the display.
• When "SCM LINK" is set to "LINK OFF", the selected sound mode effect applies to any source.

| Indication	For:	Preset values		
		Bass	Treble	Loudness
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

14

Recalling the sound modes
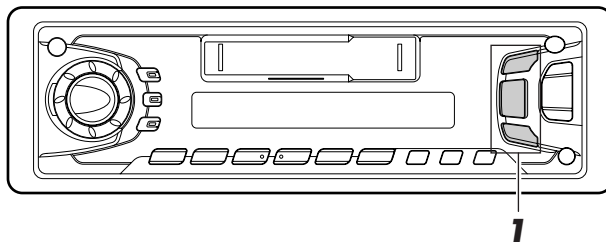
1
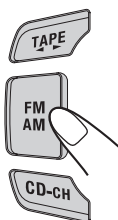
Select the source while the "SCM" indicator is lit on the display.

The "SCM" indictor starts flashing, and the sound mode stored in memory for the selected source is recalled.
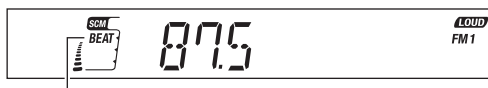
Sound mode indicators

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 17.
- *To adjust the bass and treble reinforcement levels or to turn on/off the loundness function temporarily, see page 12 and 13. (Your adjustments will be canceled if another source is selected.)*

15

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)
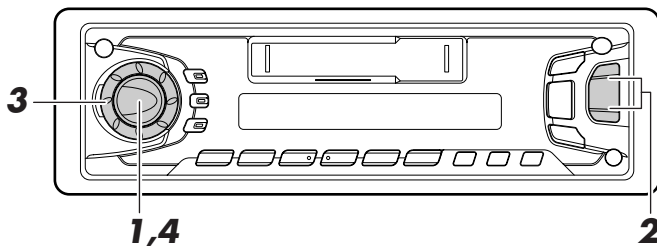
3 ————

1,4   *2*

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
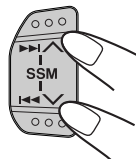
Select "SCM LINK" if not shown on the display.

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

3
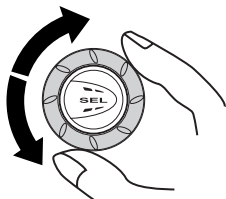
Select the desired mode — "LINK ON" or "LINK OFF".

4

Finish the setting.

16

Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 12) as you like and store your own adjustments in memory.

3   *2* *2*   *1,4*

1 SCM
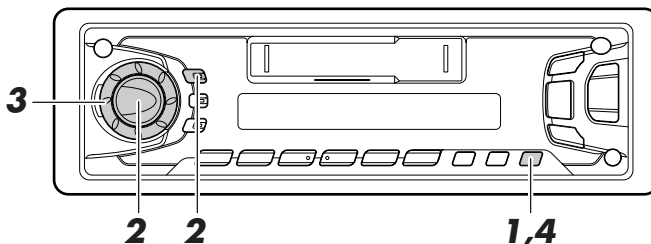
Call up the sound mode you want to adjust.
See page 12 for details.

Within 5 seconds

2
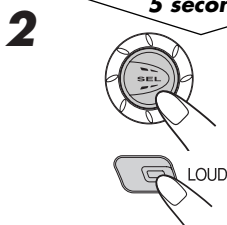
LOUD

To adjust the bass or treble sound level
Select "BAS" or "TRE."

To turn on or off the loudness function
Each time you press LOUD, the loudness function turns on and off alternatively. (→ go to step 4)

Within 5 seconds

3

Adjust the bass or treble level.
See page 13 for details.

Within 5 seconds

4

SCM
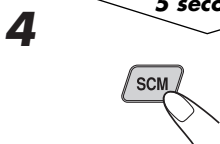
Press and hold SCM until the sound mode you have selected in step *1* flashes on the display.
Your setting is stored in memory.

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 12.   17
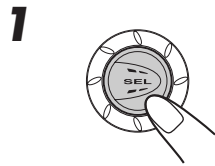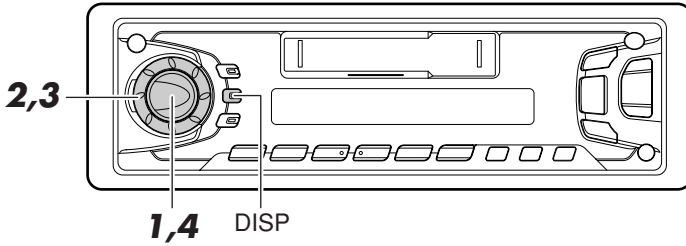
ENGLISH

Setting the clock

2,3

1,4   DISP

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.
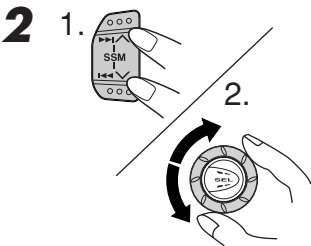
2   1.   Set the hour.
1. Select "CLOCK H" if not shown on the display.
2.

```
 ┌→CLOCK H→CLOCK M→SCM LINK┐
 └  EXT IN ← B. SKIP ← LEVEL ←┘
```
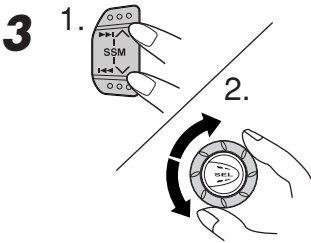
2. Adjust the hour.

3   1.   Set the minute.
1. Select "CLOCK M."
2.

```
 ┌→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.

During tuner operation:	During tape operation:	During CD Changer operation:	During external Component operation:
Frequency ⟷ Clock	Play mode ⟷ Clock	Elapsed playing time → Disc number → Clock	LINE IN ⟷ Clock

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

18

Selecting the level display

You can select the level display according to your preference.
When shipped from the factory, "AUDIO 2" is selected.
AUDIO1: Shows the audio level indicator.
AUDIO2: Alternates "AUDIO 1" setting and illumination display.
OFF   : Erases the audio level indicator.
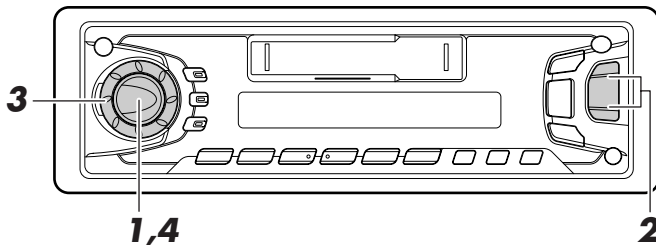
1 Press and hold SEL for more than 2 seconds.
"CLOCK H", "CLOCK M", "SCM LINK", "LEVEL", "B.SKIP"
or "EXT IN★" appears on the display.

★*Displayed only when one of the following sources is selected —
FM, AM and TAPE.*
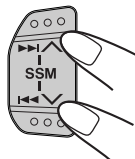
2 Select "LEVEL" if not shown on the display.

CLOCK H → CLOCK M → SCM LINK
EXT IN ← B. SKIP ← LEVEL
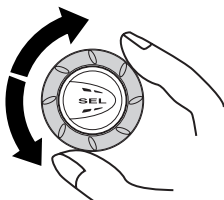
3 Select the desired mode — "AUDIO 1",
"AUDIO 2" or "OFF".

4 Finish the setting.

19

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.
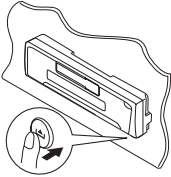
2
Lift and pull the control panel out of the unit.
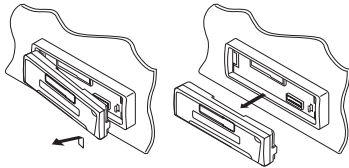
How to attach the control panel

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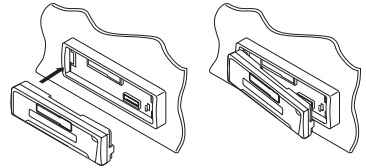
2
Press the right side of the control panel to fix it to the panel holder.
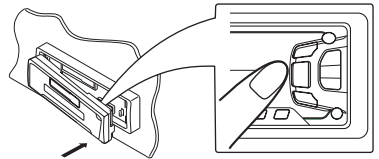
Note on cleaning the connectors:
If you frequently detach the control panel, the connectors will deteriorate.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.

Connectors

20
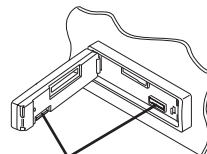
REMOTE OPERATIONS ((◖▭
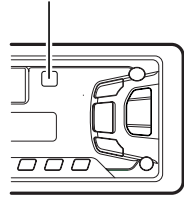
Remote sensor

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).

Installing the battery

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

(back side)
1)
2)

Lithium coin battery (product number: CR2025)

(back side)
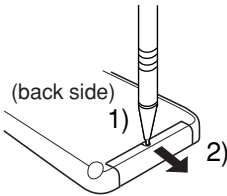
1. Remove the battery holder.
   1) Push out in the direction indicated by the arrow using a ball point pen or a similar tool.
   2) Remove the battery holder.
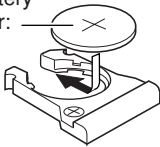
2. Place the battery.
   Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.
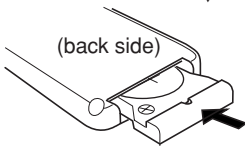
3. Return the battery holder.
   Insert again the battery holder pushing it until you hear a clicking sound.

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

AUDIO

ATT   SCM   FUNC

BAND PROG
DISC
PRESET

VOLUME

RM-RK31   JVC

1 ⏻ ⁄ I
5
6
2
3
7
4
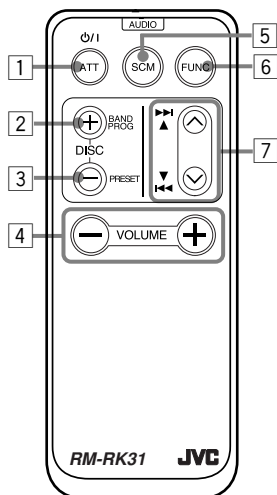
1 Functions the same as the ⏻/I/ATT button on the main unit.

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.
• Does not function as the PROG button.

3 • Functions as the PRESET button while listening to the radio.
Each time you press the button, the preset station number increases, and the selected station is tuned 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 18, 16, 19, 11 and 27).*

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

When used with a JVC CD automatic changer (separately purchased).
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.*

Playing CDs

Number buttons

1 ▶▶ ∧
◀◀ ∨

1
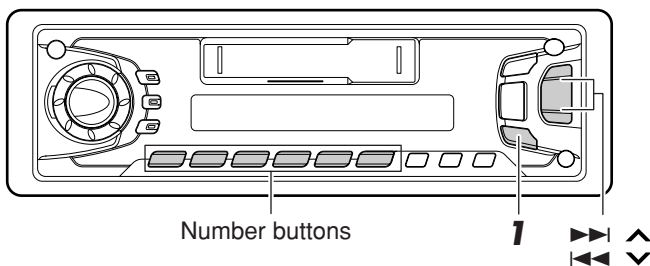
CD-CH

Select the CD automatic changer.
Play back starts from the first track of the first disc.
All tracks of all discs are played back.
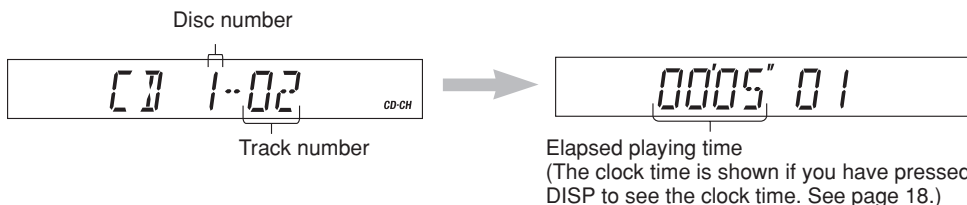
Disc number

$CD \ 1\!-\!02$ CD-CH ⟶ $0005" \ 01$

Track number

Elapsed playing time
(The clock time is shown if you have pressed DISP to see the clock time. See page 18.)

Note on One-Touch Operation:
When you press CD-CH*, the power automatically comes on. You do not have to press* ⏻/I/ATT *to turn on the power.*

To fast forward or reverse the track
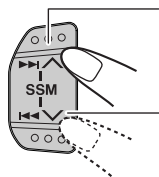
Press and hold ►►I ∧, while playing a CD, to fast forward the track.

Press and hold I◄◄ ∨, while playing a CD, to reverse the track.

To go to the next track or the previous track
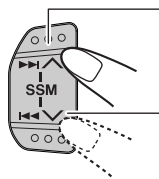
Press ►►I ∧ briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

Press I◄◄ ∨ briefly, while playing a CD, to go back to the beginning of the current track. Each time you press the button consecutively, the beginning of the current tracks is located and played back.

To go to a particular disc directly
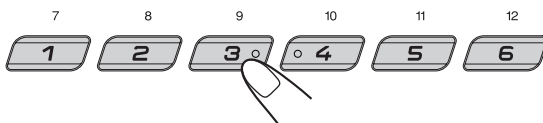
Press the number button corresponding to the disc number to start its playback.
• To select a disc number from 1 – 6:
  Press 1 (7) – 6 (12) briefly.
• To select a disc number from 7 – 12:
  Press and hold 1 (7) – 6 (12) for more than 1 second.

Ex. When disc number 3 is selected

Disc number

$$CD \ 3\text{-}01 \quad \textit{CD-CH}$$

Track number
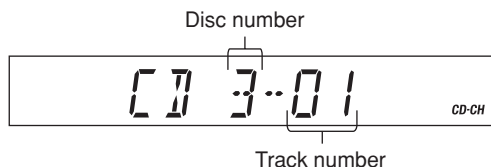
Selecting CD playback modes

RPT MO/RND
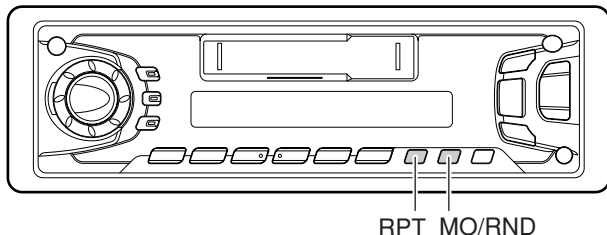
To play back tracks at random (Random Play)

Each time you press MO/RND (Mono/Random) while playing a CD, CD random play mode changes as follows:

MO
RND

→ **RND1** → **RND2** → **Canceled**
(Random1) **(Random2)**

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)

RPT

Each time you press RPT (Repeat) while playing a CD, CD repeat play mode changes as follows:

→ **RPT1** → **RPT2** → **Canceled**
(Repeat1) **(Repeat2)**

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

You can connect the external component to the CD changer jack on the rear using the Line Input Adaptor KS-U57 (not supplied).
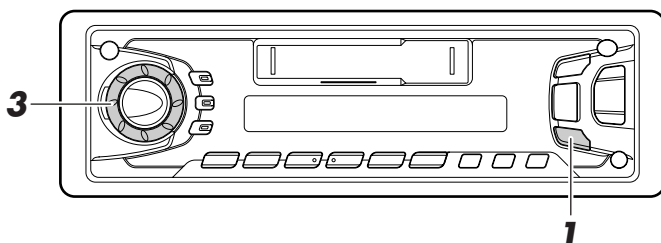
Preparations:
• *For connecting the Line Input Adaptor KS-U57 and the external component, refer to the Installation/ Connection Manual (separate volume).*
• *Before operating the external component using the following procedure, select the external input correctly. (See "Selecting the external component to use" on page 27.)*

1

Select the external component.
• If "LINE IN" does not appear on the display, see page 27 and select the external input ("EXT IN").

Note on One-Touch Operation:
When you press CD-CH, *the power automatically comes on. You do not have to press* ⏻/I/ATT *to turn on the power.*

---

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

3
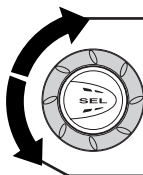
To turn up the volume

Adjust the volume.

To turn down the volume

26

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

4

2,5   *1*   *3*
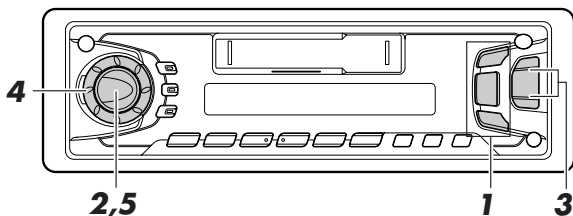
1
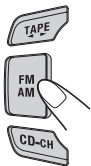
Change the source to FM, AM or TAPE.

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
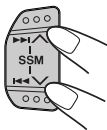
Select "LINE IN" if not shown on the display.

$$\begin{array}{c} \rightarrow CLOCK\ H \rightarrow CLOCK\ M \rightarrow SCM\ LINK \\ EXT\ IN \leftarrow B.SKIP \leftarrow LEVEL \leftarrow \end{array}$$

4
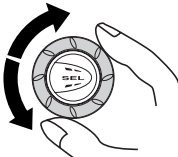
Select the desired mode — "LINE IN" or "CHANGER".

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*

To extend the lifetime of the unit

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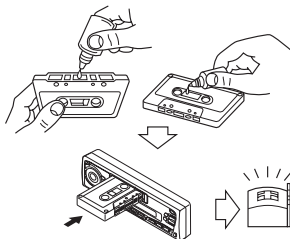
• Clean the heads after every 10 hours of use using a wet-type head cleaning tape (available at an audio store). When the head becomes dirty, you may realize the following symptoms:
  – Sound quality is reduced.
  – Sound level decreases.
  – Sound drops out.
• Do not play dirty or dusty tapes.
• Do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

To keep the tape clean
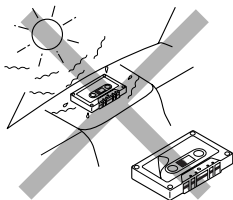
• Always store the tapes to their storage cases after use.
• Do not store tapes in the following places:
  – Subject to direct sunlight
  – With high humidity
  – At extremely hot temperatures

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.

How to Reset your unit

Press and hold both the SEL (Select) and ⏻/I/ATT (Standby/On/ATT) 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.

⏻/I/ATT
(Standby/On/ATT)

SEL (Select)
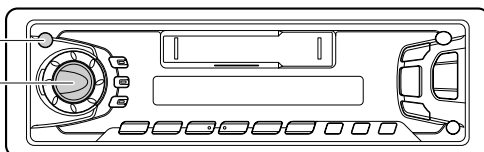
TROUBLESHOOTING ?!

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.
• 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.
• "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.
• "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.
• "RESET 1-RESET 7" appears on the display.	——————	Press the reset button of the CD changer.
• 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 28).

⁇ 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: $\pm$10 dB at 100 Hz
> Treble:$\pm$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 kΩ 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 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: 30 dB
Capture Ratio: 1.5 dB

[AM Tuner]
Sensitivity: 20 μV
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 ($\pm$ 3 dB)

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 (32°F to 104°F)

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 (3.1 lbs) (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

Having TROUBLE with operation?
Please reset your unit
Refer to page of How to Reset your unit.
Still having trouble??

Ada MASALAH dengan cara pengoperasian?
Setel kembali unit Anda
Lihat halaman mengenai Cara melakukan Penyetelan Ulang
Masih bermasalah??

JVC

VICTOR COMPANY OF JAPAN, LIMITED

JVC KS-FX7

Installation/Connection Manual
Buku Petunjuk Instalasi/Penyambungan

GET0022-002A
[UN]

0201HISFLEJES
EN, IN

ENGLISH

• This unit is designed to operate on 12 volts DC, NEGATIVE ground electrical systems.

INSTALLATION (IN-DASH MOUNTING)

• The following illustration shows a typical installation. However, you should make adjustments corresponding to your specific car. If you have any questions or require information regarding installation kits, consult your JVC car audio dealer or a company supplying kits.

1 **Before mounting:** Press [▲] (Control Panel Release) to detach the control panel if already attached.

2 Remove the trim plate.

3 Do the required electrical connections explained on the back of this instructions.

4 Refer to 'Installing the unit'.

5 Attach the trim plate.

6 Attach the control panel.
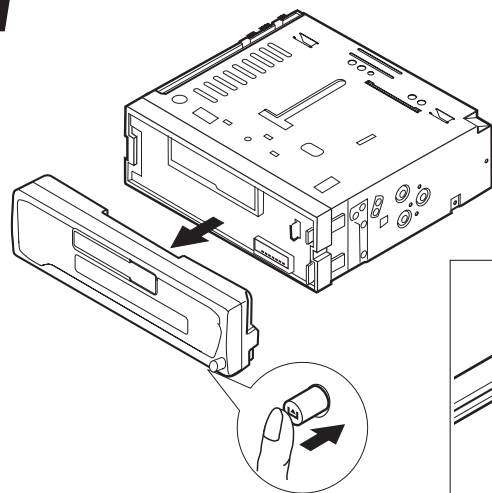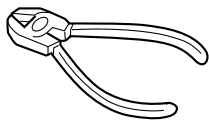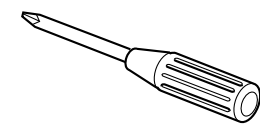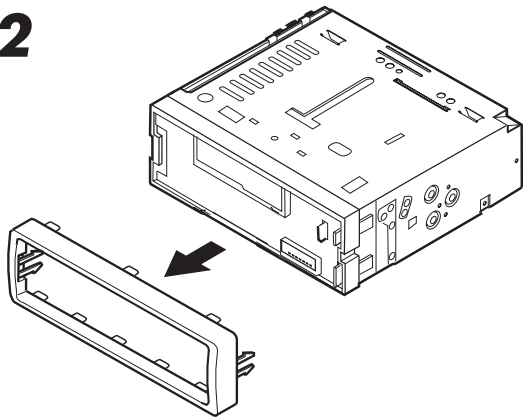
BAHASA INDONESIA

• Unit ini dirancang untuk beroperasi dengan daya 12 volt DC, sistem listrik arde NEGATIF.

INSTALASI (PEMASANGAN DALAM DASBOR)

• Ilustrasi berikut ini menunjukkan cara instalasi yang umum dilakukan. Tetapi, sebaiknya Anda melakukan penyesuaian yang diperlukan untuk mobil Anda. Jika ada pertanyaan atau Anda memerlukan informasi mengenai kotak instalasi, hubungi dealer audio mobil JVC Anda atau perusahaan yang memasok kotak instalasi tersebut.

1 **Sebelum pemasangan:** Tekan [▲] (Pelepas Panel Pengendali) untuk melepaskan panel pengendali jika sudah terpasang.

2 Lepaskan plat bingkai.

3 Lakukan penyambungan listrik sebagaimana yang dijelaskan di bagian belakang petunjuk ini.

4 Lihat "Instalasi unit".

5 Pasang plat bingkai.

6 Pasang panel pengendali.

1

2

Binding head or Flat head screws (M5 x 6 mm)
Sekrup kepala bulat atau Sekrup kepala datar (M5 x 6 mm)

Dashboard
Dasbor

Bracket*
Penyangga*

Pocket
Kantung

Bracket*
Penyangga*

Binding head or Flat head screws (M5 x 6 mm)
Sekrup kepala bulat atau Sekrup kepala datar (M5 x 6 mm)

4

5

6
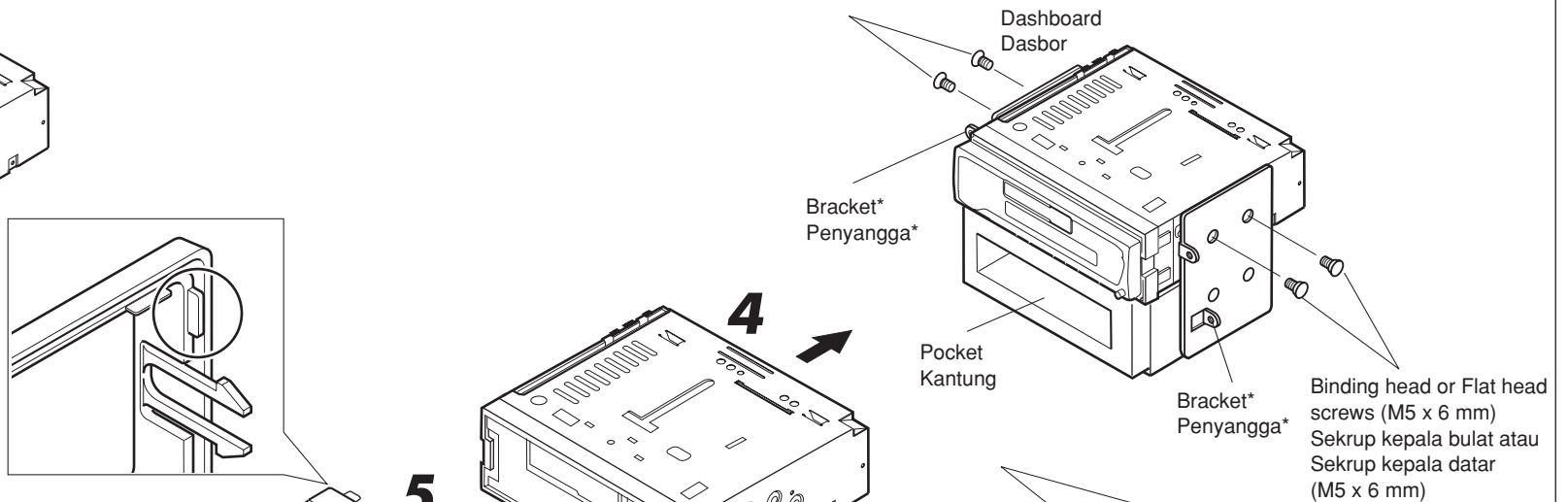
Trim plate
Plat bingkai

3 See the back page for electrical connections.
Lihat halaman belakang untuk penyambungan listrik.
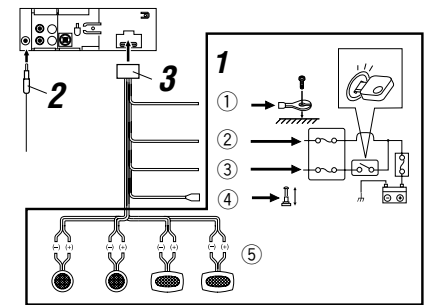
• Installing the unit
• Instalasi unit

Install the unit in its place.
Pasang unit pada tempatnya.

Binding head or Flat head screws (M5 x 6 mm)
Sekrup kepala bulat atau Sekrup kepala datar (M5 x 6 mm)

Bracket*
Penyangga*

Pocket
Kantung

Bracket*
Penyangga*

Binding head or Flat head screws (M5 x 6 mm)
Sekrup kepala bulat atau Sekrup kepala datar (M5 x 6 mm)

* Not included with this unit.
* Tidak disertakan dalam unit ini.

Note: When installing the unit on the mounting bracket, make sure to use the 6 mm-long screws. If longer screws are used, they could damage the unit.
Catatan: Saat memasang unit pada penyangga, pastikan bahwa yang digunakan adalah sekrup dengan panjang 6 mm. Jika menggunakan sekrup yang lebih panjang, kemungkinan akan merusak unit.

Parts list for installation and connection

The following parts are provided with this unit.
After checking them, please set them correctly.

Daftar bagian-bagian yang digunakan untuk instalasi dan penyambungan.
Bagian-bagian berikut ini disertakan bersama unit ini.
Sesudah diperiksa, pasang bagian-bagian tersebut dengan benar.

Control Panel
Panel Pengendali

Trim plate
Plat Bingkai
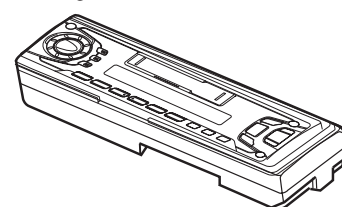
Power cord
Kabel listrik
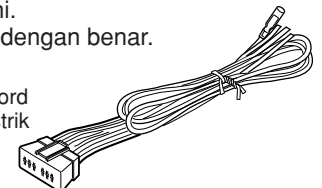
Remote controller
Pengendali jarak jauh
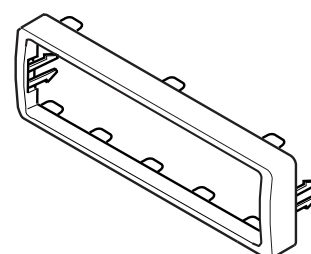
Flat head
Kepala datar
x 4

Binding head
Kepala bulat
x 4

Battery
Baterai

CR2025
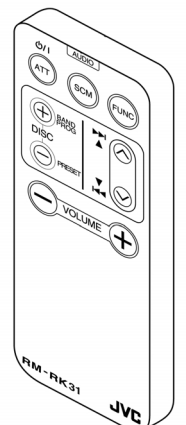
ELECTRICAL CONNECTIONS

To prevent short circuits, we recommend that you disconnect the battery's negative terminal and make all electrical connections before installing the unit. If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Note:
This unit is designed to operate on **12 volts DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.
• Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
• If noise is a problem...
This unit incorporates a noise filter in the power circuit. However, with some vehicles, clicking or other unwanted noise may occur. If this happens, connect the unit's **rear ground terminal** (See connection diagram below.) to the car's chassis using shorter and thicker cords, such as copper braiding or gauge wire. If noise still persists, consult your JVC car audio dealer.
• Maximum input of the speakers should be more than 40 watts at the rear and 40 watts at the front, with an impedance of **4 to 8 ohms**.
• **Be sure to ground this unit to the car's chassis.**
• The heat sink becomes very hot after use. Be careful not to touch it when removing this unit.

PENYAMBUNGAN LISTRIK

Untuk mencegah korsleting, kami menyarankan agar Anda memutuskan hubungan terminal negatif baterai dan memasang semua sambungan listrik sebelum memasang unit. Jika Anda tidak yakin bagaimana memasang unit ini dengan benar, sebaiknya pemasangan dilakukan oleh teknisi yang memenuhi syarat.

Catatan:
Unit ini dirancang untuk beroperasi dengan daya **12 volts DC, sistem listrik arde NEGATIF.** Jika mobil Anda tidak mempunyai sistem ini, maka Anda memerlukan inverter/pembalik voltase yang dapat Anda peroleh di dealer audio mobil JVC.
• Ganti sekering dengan sekering lain yang sesuai dengan syarat spesifikasi. Jika sekering sering putus, hubungi dealer audio mobil JVC Anda.
• Jika terdengar bunyi yang mengganggu...
Unit ini mempunyai filter suara dalam sirkuit dayanya. Tetapi pada beberapa mobil, bunyi klik dan bunyi-bunyi lain yang mengganggu dapat saja terjadi. Jika hal ini terjadi, hubungkan terminal arde belakang (Lihat diagram penyambungan di bawah.) ke casis mobil dengan menggunakan kabel yang lebih pendek dan tebal, misalnya kabel tembaga jalin atau kabel gauge. Jika bunyi tetap terdengar, hubungi dealer audio mobil JVC Anda.
• Input maksimum speaker sebaiknya tidak lebih dari 40 watt untuk speaker belakang dan 40 watt untuk speaker depan, dengan impedansi **4 sampai 8 ohm.**
• **Pastikan bahwa unit dihubungkan ke arde di casis mobil.**
• Penyerap panas (heat sink) akan menjadi sangat panas sesudah unit digunakan. Hati-hati jangan sampai tersentuh saat memindahkan unit ini.

Heat sink
Penyerap panas

A Typical Connections

Before connecting: Check the wiring in the vehicle carefully. Incorrect connection may cause serious damage to this unit.

1 Connect the colored leads of the power cord to the car battery, speakers and automatic antenna (if any) in the following sequence.
① Black: ground
② Yellow: to car battery (constant 12V)
③ Red: to an accessory terminal
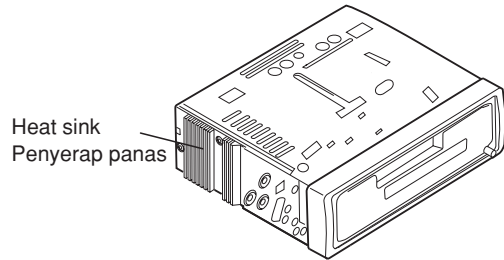④ Blue with white stripe: to automatic antenna (200mA max.)
⑤ Others: to speakers

2 Connect the antenna cord.

3 Finally connect the wiring harness to the unit.

A Penyambungan Umum

Sebelum penyambungan: Periksa dengan cermat pemasangan listrik mobil. Sambungan yang tidak benar dapat menyebabkan kerusakan pada unit ini.

1 Hubungkan kabel-kabel berwarna dari kabel daya ke aki mobil, speaker dan antena otomatis (jika ada) dengan urutan sebagai berikut.
① Hitam: arde
② Kuning: ke aki mobil (12V konstan)
③ Merah: ke terminal aksesori
④ Biru bergaris putih: ke antena otomatis (maksimum 200mA)
⑤ Lain-lain: ke speaker

2 Hubungkan kabel antena

3 Terakhir hubungkan pengikat kabel ke unit.

* **Before connecting the CD changer, make sure that the unit is turned off.**
* **Sebelum menghubungkan CD changer, pastikan bahwa unit sudah dimatikan.**

JVC CD changer jack or another external component
Lubang kontak JVC CD changer atau komponen eksternal lainnya.

When connecting a CD changer, we recommend to use one of the CH-X series CD changers.
• If your CD changer is one of the KD-MK series, you need an optional cord (KS-U15K).
You can also use an external component such as a portable MD player by connecting the Line Input Adaptor KS-U57 (not supplied) (see diagram **B**)
Sewaktu menghubungkan CD changer, kami sarankan untuk menggunakan salah satu dari CD changer seri CH-X.
• Jika CD changer Anda salah satu dari seri KD-MK, Anda memerlukan kabel tambahan (KS-U15K).
Anda juga dapat menggunakan komponen eksternal seperti MD player jinjing dengan menghubungkan Line Input Adaptor KS-U57 (tidak disediakan) (lihat diagram **B**)

JVC CD changer jack
Lubang kontak JVC CD changer

Left
Kiri

Line out
(see diagram **B**)
Sambungan kabel luar
(lihat diagram **B**)

Antenna terminal
Terminal antena

Right
Kanan

10A fuse
Sekering 10A

Rear ground terminal
Terminal arde belakang

To antenna
Ke antena

2

3

* Not included with this unit.
* Tidak disertakan dalam unit ini

Ignition switch
Kunci starter

Black
Hitam

① To metallic body or chassis of the car
Ke badan logam atau casis mobil.

1

*1: Before checking the operation of this unit prior to installation, this lead must be connected, otherwise power cannot be turned on.
*1: Sebelum memeriksa pengoperasian unit ini sebelum instalasi, kabel ini harus disambungkan, kalau tidak daya tidak dapat dinyalakan.

Yellow*1
Kuning*1
② To a live terminal in the fuse block connecting to the car battery (bypassing the ignition switch)
Ke terminal yang menyala di dalam blok sekering yang tersambung dengan aki mobil (melalui kunci starter).

Red
Merah
③ To an accessory terminal in the fuse block.
Ke terminal aksesori dalam blok sekering.

Fuse block
Blok sekering

Blue with white stripe
Biru bergaris putih
④ To automatic antenna if any
Ke antena otomatis, jika ada

⑤

White with black stripe
Putih bergaris hitam
(–) (+)
White
Putih
Left speaker (front)
Speaker kiri (depan)

Gray with black stripe
Abu-abu bergaris hitam
(–) (+)
Gray
Abu-abu
Right speaker (front)
Speaker kanan (depan)

Green with black stripe
Hijau bergaris hitam
(–) (+)
Green
Hijau
Left speaker (rear)
Speaker kiri (belakang)

Purple with black stripe
Ungu bergaris hitam
(–) (+)
Purple
Ungu
Right speaker (rear)
Speaker kanan (belakang)

PRECAUTIONS on power supply and speaker connections:
- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the unit will be seriously damaged.
- Connect the black lead (ground), yellow lead (to car battery, constant 12V), and red lead (to an accessory terminal) correctly.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.
  - **If the speaker wiring in your car is as illustrated in Fig. 1 and Fig. 2 below,** DO NOT connect the unit using that original speaker wiring. If you do, the unit will be seriously damaged. Redo the speaker wiring so that you can connect the unit to the speakers as illustrated in Fig. 3.
  - **If the speaker wiring in your car is as illustrated in Fig. 3,** you can connect the unit using the original speaker wiring in your car.
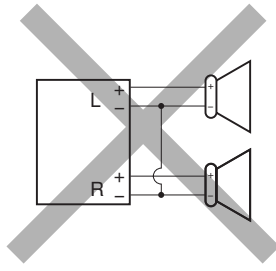 - If you are not sure of the speaker wiring of your car, consult your car dealer.

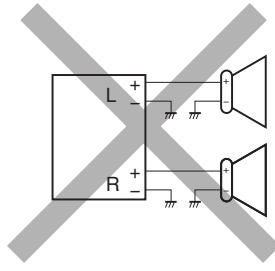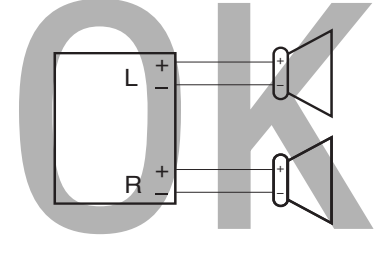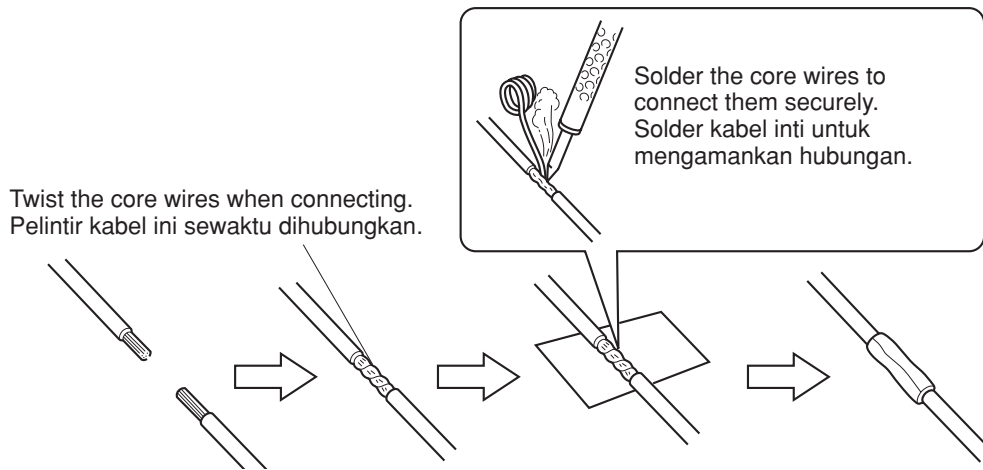## TINDAKAN PENCEGAHAN untuk pasokan daya dan penyambungan speaker/pengeras suara:
- JANGAN menghubungkan kabel listrik speaker ke aki mobil, karena akan merusak unit.
- Sambungkan kabel hitam (arde), kabel kuning (ke aki mobil, 12V konstan), dan kabel merah (ke terminal aksesori) dengan benar.
- SEBELUM menhubungkan kabel listrik speaker ke speaker, periksa pemasangan listrik speaker dalam mobil Anda.
  - **Jika pemasangan listrik speaker dalam mobil Anda sama dengan Gambar 1 dan Gambar 2 di bawah,** JANGAN menghubungkan unit dengan menggunakan kabel speaker asli. Jika Anda hubungkan, maka kemungkinan akan merusak unit. Perbaiki pemasangan listrik speaker tersebut, sehingga Anda dapat menghubungkan unit dengan speaker seperti yang tampak pada Gambar 3.
  - **Jika pemasangan listrik speaker dalam mobil Anda sama dengan yang ditampilkan pada Gambar 3,** Anda dapat menghubungkan unit dengan menggunakan kabel speaker asli mobil Anda.
  - Jika Anda tidak yakin tentang pemasangan listrik speaker dalam mobil Anda, hubungi dealer mobil Anda.

Fig. 1 / Gambar 1

Fig. 2 / Gambar 2

Fig. 3 / Gambar 3

Connecting the leads / Menghubungkan kabel

Twist the core wires when connecting.
Pelintir kabel ini sewaktu dihubungkan.

Solder the core wires to connect them securely.
Solder kabel inti untuk mengamankan hubungan.

CAUTION/ HATI-HATI
- **To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.**
- **Untuk mencegah korsleting, lindungi terminal kabel yang TIDAK TERPAKAI dengan isolasi.**
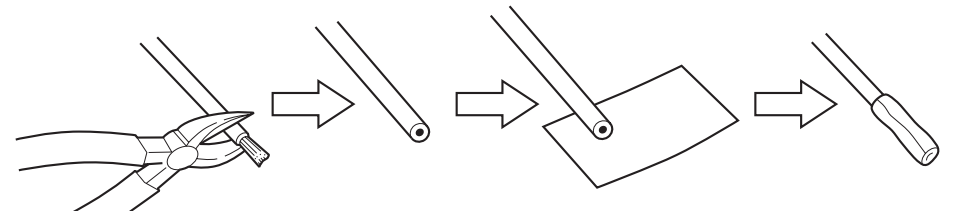
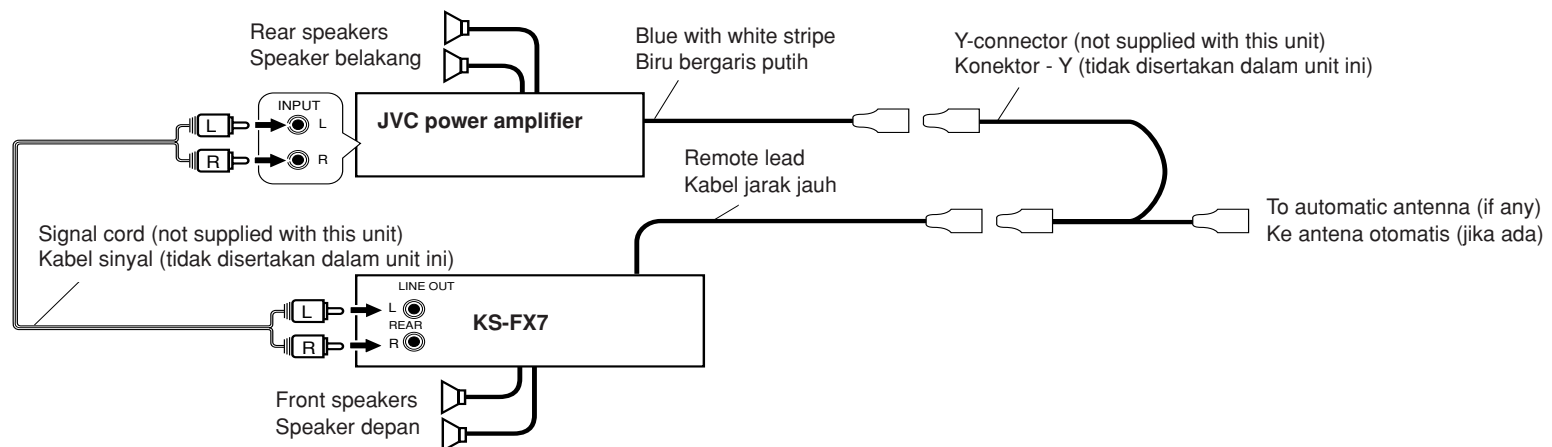## B Connections Adding Other Equipment

You can connect an amplifier and other equipment to upgrade your car stereo system.
- Connect the remote lead (blue with white stripe) to the remote lead of the other equipment so that it can be controlled through this unit.
- For amplifier only:
  - Connect this unit's line-out terminals to the amplifier's line-in terminals.
  - **Disconnect the speakers from this unit, connect them to the amplifier. Leave the speaker leads of this unit unused. (Cover the terminals of the these unused leads with insulating tape, as illustrated above.)**
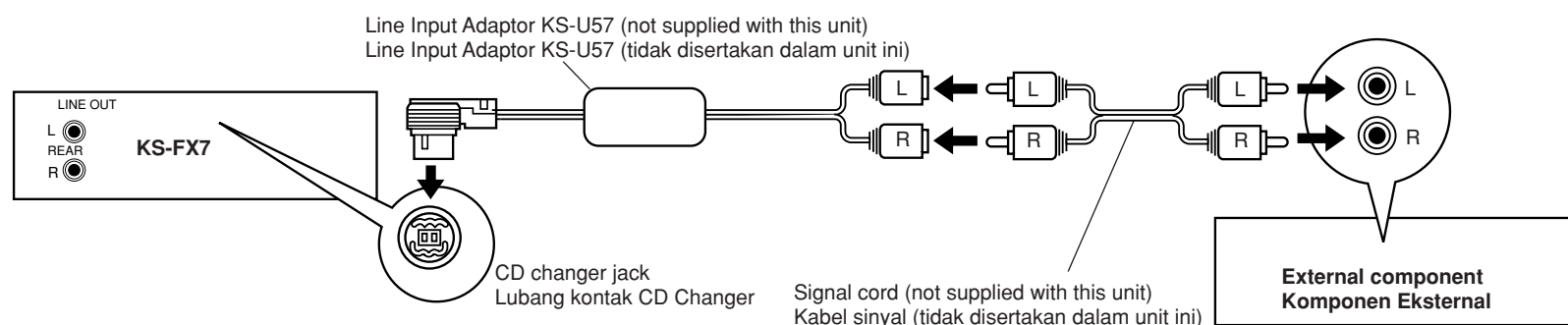
B Penyambungan untuk Peralatan Tambahan

Anda dapat menghubungkan amplifier dan peralatan lain untuk meningkatkan sistem stereo mobil Anda.
- Hubungkan kabel jarak jauh (biru bergaris putih) ke kabel jarak jauh peralatan lain, sehingga dapat dikendalikan melalui unit ini.
- Khusus untuk amplifier
  - Hubungkan terminal line-out unit dengan terminal line-in amplifier.
  - **Putuskan sambungan speaker dari unit ini, dan hubungkan dengan amplifier. Biarkan kabel unit dalam keadaan tidak terpakai. (Lindungi kabel terminal yang tidak terpakai dengan isolasi seperti gambar di atas.)**

Amplifier / Amplifier

Rear speakers / Speaker belakang
Blue with white stripe / Biru bergaris putih
Y-connector (not supplied with this unit) / Konektor - Y (tidak disertakan dalam unit ini)
JVC power amplifier
INPUT L R
Remote lead / Kabel jarak jauh
To automatic antenna (if any) / Ke antena otomatis (jika ada)
Signal cord (not supplied with this unit) / Kabel sinyal (tidak disertakan dalam unit ini)
LINE OUT L REAR R / KS-FX7
Front speakers / Speaker depan

External component / Komponen eksternal

LINE OUT L REAR R / KS-FX7
Line Input Adaptor KS-U57 (not supplied with this unit) / Line Input Adaptor KS-U57 (tidak disertakan dalam unit ini)
L R
CD changer jack / Lubang kontak CD Changer
Signal cord (not supplied with this unit) / Kabel sinyal (tidak disertakan dalam unit ini)
External component / Komponen Eksternal

TROUBLESHOOTING

- **The fuse blows.**
  * Are the red and black leads connected correctly?

- **Power cannot be turned on.**
  * Is the yellow lead connected?

- **No sound from the speakers.**
  * Is the speaker output lead short-circuited?

- **Sound is distorted.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?

- **Unit becomes hot.**
  * Is the speaker output lead grounded?
  * Are the "–" terminals of L and R speakers grounded in common?

PEMECAHAN MASALAH

- **Sekring putus.**
  * Apakah kabel merah dan hitam sudah tersambung dengan benar?

- **Power/ daya tidak menyala.**
  * Apakah kabel kuning sudah tersambung dengan benar?

- **Tidak ada suara dari speaker**
  * Apakah terjadi korsleting pada kabel output speaker?

- **Suara terdistorsi**
  * Apakah kabel output speaker sudah disambung ke arde?
  * Apakah terminal "-" speaker kiri dan kanan disambung ke arde bersama-sama?

- **Unit menjadi panas.**
  * Apakah kabel output speaker sudah disambung ke arde?
  * Apakah terminal "-" speaker kiri dan kanan disambung ke arde bersama-sama?