JVC

CD RECEIVER **KD-LX333/KD-LX111**

RECEPTOR CON CD **KD-LX333/KD-LX111**

RECEPTEUR CD **KD-LX333/KD-LX111**

COMPACT
disc
DIGITAL AUDIO
TEXT

BBE^{II}

RM-RK31 JVC
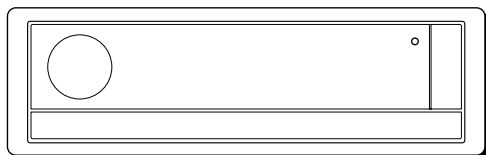
This unit is equipped with display demonstration. To cancel it, see page 8.
Esta unidad está equipada con demostración en la indicación. Para cancelarla, consulte la
  página 8.
Cet appareil est équipé d'une fonction de démonstration des affichages. Pour l'annuler,
  référez-vous à la page 8.

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

INSTRUCTIONS
MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

For customer Use:
Enter below the Model No. and
Serial No. which are located on
the top or bottom of the
cabinet. Retain this information
for future reference.

Model No.

Serial No.

PIM171000
[J]

INFORMATION (For U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

IMPORTANT FOR LASER PRODUCTS

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

CAUTION:
This product has a fluorescent lamp that contains a small amount of mercury. It also contains lead in some components. Disposal of these materials may be regulated in your community due to environmental considerations.
For disposal or recycling information please contact your local authorities, or the Electronics Industries Alliance: http://www.eiae.org.>
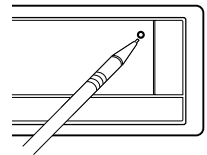
How to reset your unit

Press the reset button on the front panel using a ball-point pen or a similar tool.
This will reset the built-in microcomputer.

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

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

CAUTION on Volume Setting

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

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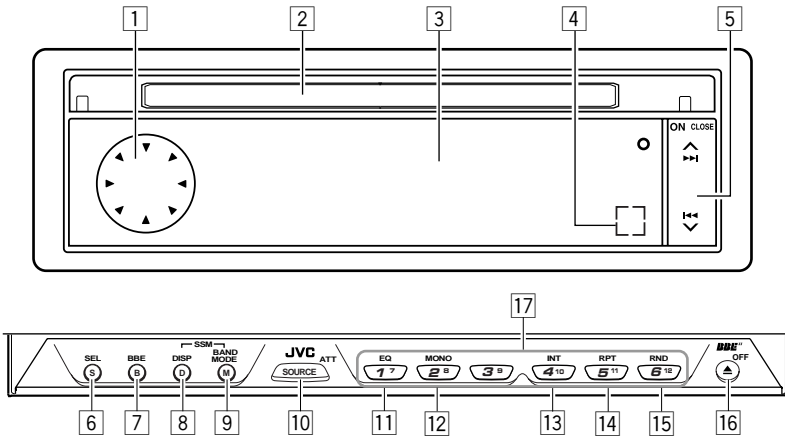
*Temperature inside the car....
If you have parked the car for a long time in hot or cold weather, wait until the temperature in the car becomes normal before operating the unit.

Control panel

The control panel slides out when you press ON CLOSE.
When you press OFF ▲, the display panel moves down and the CD loading slot appears.

1 Control dial
2 CD loading slot
3 Display panel
4 Remote sensor
5 ⋀ ▶▶ / ◀◀ ⋁ button
  • ⋀ ▶▶ / ◀◀ ⋁ *also functions as ON or CLOSE button.*
6 SEL (S) (select) button
7 BBE (B) button
8 DISP (D) (display) button
  • *Also functions as SSM buttons when pressed together with the BAND MODE (M) button.*

9 BAND MODE (M) button
  • *Also functions as SSM buttons when pressed together with the DISP (D) button.*
10 SOURCE ATT (attenuator) button
11 EQ (equalization) button
12 MONO (monaural) button
13 INT (intro scan) button
14 RPT (repeat) button
15 RND (random) button
16 OFF ▲ (eject) button
17 Number buttons

How to use the number buttons:

After pressing BAND MODE (M), the number buttons work as different function buttons (while "MODE" remains on the display).
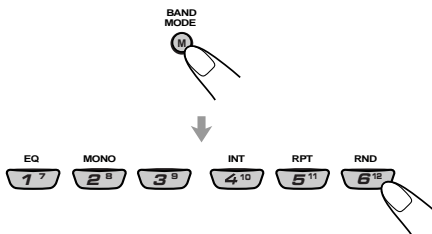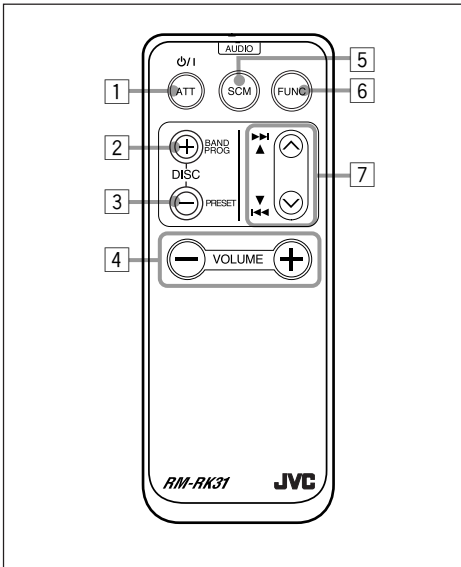

Time countdown indicator

Ex.: When you press button 6 to enter the Random function mode.

To use these buttons as number buttons after pressing BAND MODE (M), wait for 5 seconds without pressing any number button so that "MODE" disappears from the display.
• Pressing BAND MODE (M) again also erases "MODE" from the display.

Remote controller

1 • Turns on the unit if pressed when the unit is turned off.
   • Turns off the unit if pressed and held until "SEE YOU" appears on the display.
   • Drops the volume level if pressed briefly, and "ATT" rotates on the display.
     Press again to resume the volume.
2 • Functions as the BAND button while listening to an FM broadcast.
     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: *This button does not function for the preferred setting mode adjustment.*
5 Selects the sound mode.
   Each time you press SCM (Sound Control Memory), the CEQ (custom equalizer) 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 track or goes back to the beginning of the current (or previous) track if pressed briefly while listening to a CD.

Preparing the remote controller

Before using the remote controller:
• Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
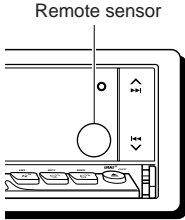
Remote sensor

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

Installing the battery
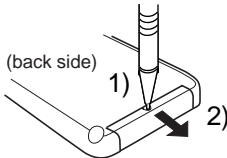
When the controllable range or effectiveness of the remote controller decreases, replace the battery.
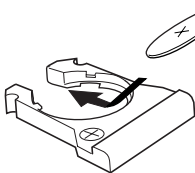
1. Remove the battery holder.
   1) Push out the battery holder in the direction indicated by the arrow using a ball-point pen or a similar tool.
   2) Remove the battery holder.

(back side)
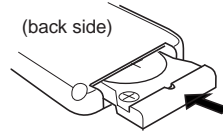

2. Place the battery.
   Slide the battery into the holder with the + side facing upwards so that the battery is fixed in the holder.

Lithium coin battery (product number: CR2025)

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

(back side)

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

CAUTION:
DO NOT leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time.

1   3   2
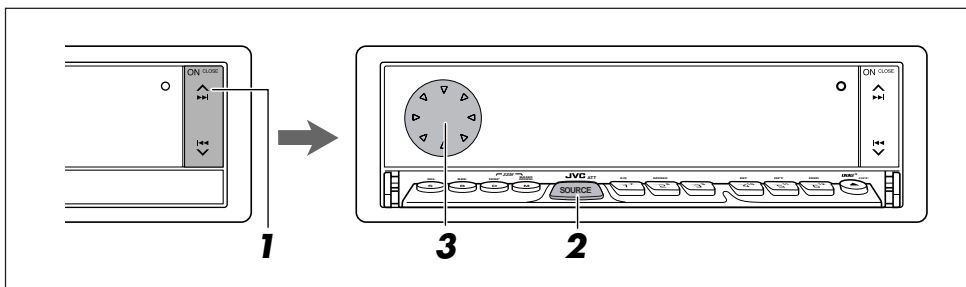
Turning on the power

1 Turn on the power.

The display illuminates and the control panel and control dial come out.

2 Select the source.

ATT
SOURCE

Each time you press the button, the source changes as follows:

For KD-LX333:

→ FM → CD* → CD changer**
→ External component → AM
→ (back to the beginning)

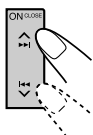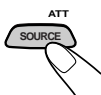**For KD-LX111:**

→ FM → CD* → CD changer** (or external component***) → AM
→ (back to the beginning)

* *If a CD is not in the loading slot, you cannot select CD as the source to play.*
** *Without connecting the CD changer, you cannot select it as the source to play.*
*** *To select the external component, set the "EXT INPUT" setting to "LINE INPUT." (See page 21.)*

To operate the tuner (FM or AM),
    see pages 9 – 11.
To operate the CD player,
    see pages 12 – 14.
To operate the CD changer,
    see pages 25 – 27.
To operate the external component,
    see page 28.

3 Adjust the volume.
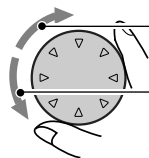
To increase the volume.

To decrease the volume.

Volume level appears.

VOLUME 20
SEL ADO

4 Adjust the sound as you want (see pages 15 – 17).

To drop the volume in a moment

Press SOURCE ATT for more than 1 second while listening to any source. "ATT" rotates on the display, and the volume level will drop in a moment.
To resume the previous volume level, press the button for more than 1 second again.

To turn off the power

Press and hold OFF ▲ until "SEE YOU" appears on the display.
• **If you turn off the power while listening to a CD,** you can start CD playback from where you have stopped next time you turn on the power.

Note:
When you use this unit for the first time, set the built-in clock correctly, see page 8.

Note on display illustrations:
Illustrations will differ from what appears if "CLOCK DISP" is set to "CLOCK OFF." See page 20.

Canceling the demonstration

When shipped from the factory, demonstration has been activated, and starts automatically when no operations are done for about 20 seconds.

• It is recommended to cancel the demonstration before you use the unit for the first time.

To cancel the demonstration, follow the procedure below.

1 **Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display. (See page 19.)**

2 **Select "DEMO MODE" if not shown on the display.**
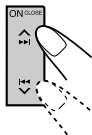
3 **Select "DEMO OFF."**
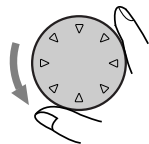
4 **Finish the setting.**

To activate the demonstration again, repeat the same procedure and select "DEMO ON" in step 3.

Setting the clock

1 **Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display. (See page 19.)**

2 **Set the hour.**
1 Select "CLOCK HOUR" if not shown on the display.
2 Adjust the hour.
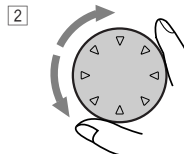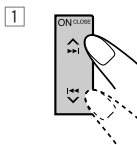
3 **Set the minute.**
1 Select "CLOCK MIN (minute)."
2 Adjust the minute.
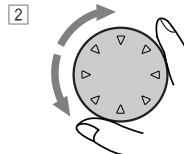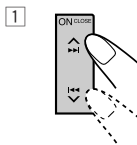
4 **Finish the setting.**

To check the current clock time with "CLOCK DISP" set to "CLOCK OFF," press DISP (D). The clock time is shown for 5 seconds.

Press ON CLOSE to turn on the power.
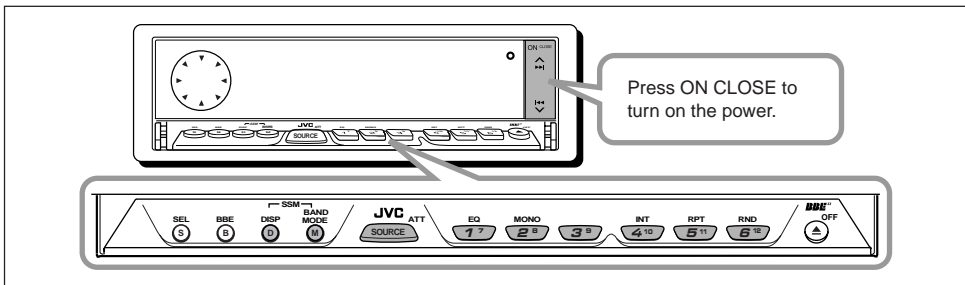
Listening to the radio

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

Searching a station automatically: Auto search

1 Select the band.
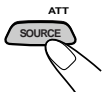
1 Press SOURCE ATT to select FM or AM as the source.

2 If necessary, press and hold BAND MODE (M) to select the FM band number (FM1, FM2 or FM3).

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

→ **FM1** → **FM2** → **FM3** ⌐

Selected band appears.

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

2 Start searching a station.
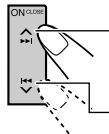
Press ∧ ▶▶| to search stations of higher frequencies.

Press |◀◀ ∨ 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.
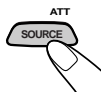
1 Press SOURCE ATT to select FM or AM as the source.

2 If necessary, press and hold BAND MODE (M) to select the FM band number (FM1, FM2 or FM3).

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

→ **FM1** → **FM2** → **FM3** ⌐

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

9

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

```
      87.5    M
   FM1            MO
```

3 Tune in to a station you want while "M" is flashing.
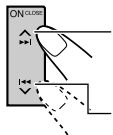
Press ⋀ ►►I to tune in to stations of higher frequencies.

Press I◄◄ ⋁ to tune in to stations of lower frequencies.

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

When an FM stereo broadcast is hard to receive:
1 Press BAND MODE (M) while listening to an FM stereo broadcast (the ST indicator lights up while receiving an FM stereo broadcast). "MODE" appears on the display, and the number buttons can work as different function buttons.
2 Press MONO, while "MODE" is still on the display, so that the MO indicator lights up on the display.
The sound you hear becomes monaural but the reception will be improved (the ST indicator goes off).
Each time you press the button, the MO indicator lights up and goes off alternately.

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.

ATT
SOURCE

1 Press SOURCE ATT to select FM as the source.

BAND MODE
M

2 If necessary, press and hold BAND MODE (M) to select the FM band number (FM1, FM2 or FM3).

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

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

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

SSM
DISP **BAND MODE**
D **M**

```
         --SSM--
   FM1           MO
```
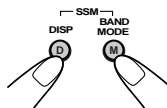
"SSM" appears, then disappears when automatic preset is over.

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

Manual preset

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

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

1 **Select the band (in this example, FM1).**
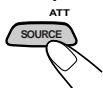
1 Press SOURCE ATT to select FM as the source.

2 Press and hold BAND MODE (M) repeatedly to select the FM1 band.

2 **Tune in to a station (in this example, of 88.3 MHz).**
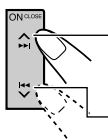
Press ∧ ▶▶| to tune in to stations of higher frequencies.

Press |◀◀ ∨ to tune in to stations of lower frequencies.

88.3 MHz
FM 1 ——— 100

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

88.3 MHz
FM 1 ——— P1

"PI" flashes for a few seconds.

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

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

Tuning in to a preset station

You can easily tune in to a preset station. Remember that you must store stations first. If you have not stored them yet, see "Storing stations in memory" on pages 10 and 11.

1 **Select the band.**
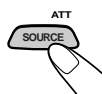
1 Press SOURCE ATT to select FM or AM as the source.

2 If necessary, press and hold BAND MODE (M) to select the FM band number (FM1, FM2 or FM3).

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

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

2 **Select the number (1 – 6) for the preset station you want.**
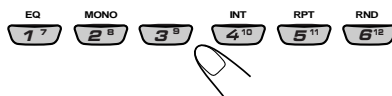
When using this unit in an area other than North or South America:
You need to change the AM/FM channel intervals. See "To change the AM/FM channel intervals — AREA" on page 21.

11

CD OPERATIONS

Press ON CLOSE to turn on the power.
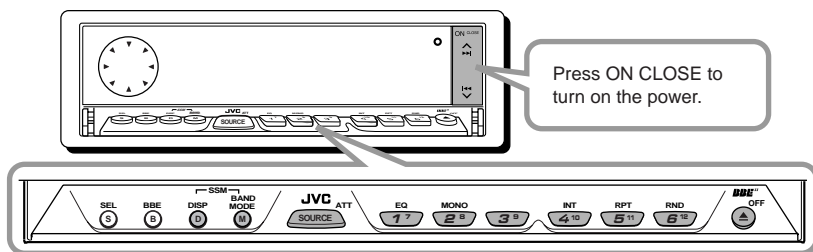
Playing a CD

1 Open the loading slot.
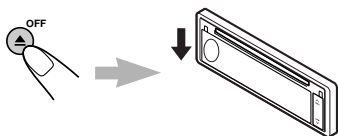
The display panel moves down, and the loading slot appears.

2 Insert a disc into the loading slot.
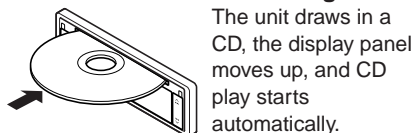
The unit draws in a CD, the display panel moves up, and CD play starts automatically.

The CD-in indicator lights up.

Total track number of the inserted disc   Total playing time of the inserted disc

Current track   Elapsed playing time
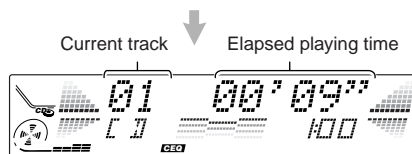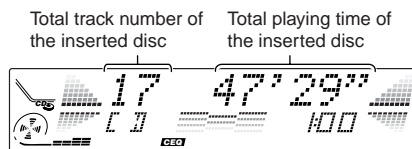
Notes:
- *When a CD is in the loading slot, selecting "CD" as the source by pressing SOURCE ATT to starts CD play.*
- *When a CD is inserted upside down, the CD automatically ejects.*
- *When you play a CD Text, the disc title and performer appear on the display. Then the current track title appears on the display, followed by the track number and elapsed playing time. See also "Playing a CD Text" (page 14) and "To select the scroll mode — SCROLL" (page 20).*
  If a CD Text includes much text information, some may not appear on the display.
- *If you change the source, CD play also stops (without ejecting the CD).*
  Next time you select "CD" as the source, CD play will start from where you have stopped.

To stop play and eject the CD

Press OFF ⏏ briefly.
CD play stops, the display panel moves down, then the CD automatically ejects from the loading slot.

To move up the display panel, press ∧ ▶▶⏮ or ⏮◀◀ ∨. If no button is pressed, the display panel will move up in about 5 minutes.
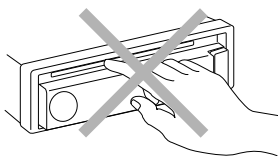
CAUTION: NEVER insert your finger between the display panel and the unit, as it may get caught in the unit.

Note:
If the ejected disc is not removed for about 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (CD play will not start this time.)

Locating a track or a particular portion on a CD

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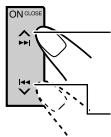
Press and hold ∧ ►►I, while playing a CD, to fast-forward the track.

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

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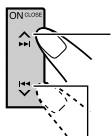
Press ∧ ►►I briefly, while playing a CD, to go ahead to the beginning of the next track. Each time you press the button consecutively, the beginning of the next tracks is located and played back.

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 previous tracks is located and played back.

To go to a particular track directly

EQ	MONO		INT	RPT	RND
1 7	2 8	3 9	4 10	5 11	6 12
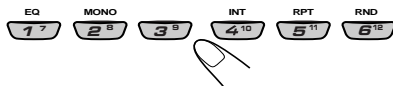
Press the number button corresponding to the track number to start its playback.
• To select a track number from 1 – 6: Press 1 (7) – 6 (12) briefly.
• To select a track number from 7 – 12: Press and hold 1 (7) – 6 (12) for more than 1 second.

Selecting CD playback modes

To play back tracks at random (Random Play)

You can play back all tracks on the CD at random.

BAND MODE (M)

1 Press BAND MODE (M) while playing a CD. "MODE" appears on the display, and the number buttons can work as different function buttons.

RND 6 12

2 Press RND (random), while "MODE" is still on the display, so that the RND indicator lights up on the display. Each time you press the button, CD random play mode turns on and off alternately.

RND indicator

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

To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.

BAND MODE (M)

1 Press BAND MODE (M) while playing a CD. "MODE" appears on the display, and the number buttons can work as different function buttons.

RPT 5 11

2 Press RPT (repeat), while "MODE" is still on the display, so that the RPT indicator lights up on the display. Each time you press the button, CD repeat play mode turns on and off alternately.

Track number of the currently playing track

RPT indicator

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

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To play back only intros (Intro Scan)

You can play back the first 15 seconds of each track sequentially.

BAND MODE (M)

1 Press BAND MODE (M) while playing a CD. "MODE" appears on the display, and the number buttons can work as different function buttons.

INT 4 10

2 Press INT (intro scan), while "MODE" is still on the display. Each time you press the button, CD intro scan mode turns on and off alternately.

Track number of the currently playing track

01 INTRO 1:00
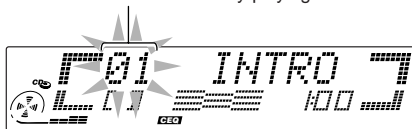
When the intro scan mode is turned on, "INTRO" appears on the display for 5 seconds and the track number flashes.

Prohibiting CD ejection

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

While pressing SOURCE ATT, press and hold OFF ▲ for more than 2 seconds. "NO EJECT" flashes on the display for about 5 seconds, and the CD is locked and cannot be ejected.

NO EJECT

Note:
If you press OFF ▲ while CD ejection is prohibited, the control panel moves down, but the CD cannot be ejected. ("NO EJECT" appears on the display.)
To move up the display panel, press ∧ ►►| or
|◄◄ ∨.

To cancel the prohibition and unlock the CD,
press and hold OFF ▲ for more than 2 seconds again, while pressing SOURCE ATT. "EJECT OK" flashes on the display for about 5 seconds, and the CD is unlocked.

Playing a CD Text

In a CD Text, some information about the disc (its disc title, performer and track title) is recorded. You can show these disc information on the display.

Select text display mode while playing a CD Text.

DISP D

Each time you press the button, the display changes as follows:

Disc Title / Performer
(The DISC indicator lights up)

↓

Track Title
(The TRACK indicator lights up)

↓

Current track no. and Elapsed playing time
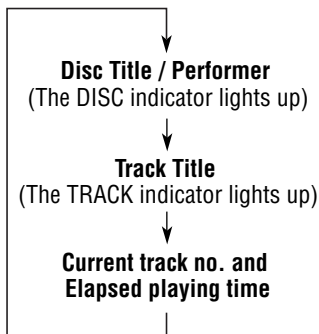
Notes:
• *The display shows up to 10 characters at one time and scrolls if there are more than 10 characters. See also "To select the scroll mode — SCROLL" on page 20.*
• *When you press DISP (D) while playing a conventional CD, "NO NAME" appears for the disc title/performer and the track title.*

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:

```
    ┌→ BASS  →  TRE  →  FAD ─┐
    │  (bass)   (treble)  (fader) │
    └─ VOLUME ← WOOFER ← BAL ←┘
      (volume)  (only for KD-LX333)  (balance)
```

Indication	To do:	Range
BASS	Adjust the bass.	–06 (min.) | +06 (max.)
TRE	Adjust the treble.	–06 (min.) | +06 (max.)
FAD*	Adjust the front and rear speaker balance.	R06 (Rear only) | F06 (Front only)
BAL	Adjust the left and right speaker balance.	L06 (Left only) | R06 (Right only)
WOOFER (only for KD-LX333)	Adjust the subwoofer output level.	00 (min.) | 08 (max.)
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.

```
┌─────────────────┐
│  TRE      +06    │
│  SEL  ━━━━  100  │
└─────────────────┘
```
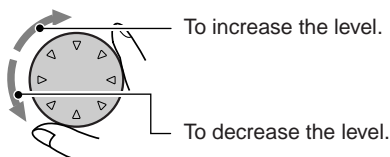
Equalization pattern changes as you adjust the bass or treble.

Note:
Normally the control dial works for volume adjustment. So you do not have to select "VOLUME" to adjust the volume level.

What is BBE^{II}?

The BBE^{II}* function restores the brilliance and clarity of the original live sound in recording, broadcasts, etc.
When a speaker reproduces sound, it introduces frequency-dependent phase shifting, causing high-frequency sounds to take longer to reach the ear than low frequency sounds. The BBE^{II} function adjusts the phase relationship between the low, mid and high frequencies by adding a progressively longer delay time to the low and mid frequencies, so that all frequencies reach the listener's ears at the proper time.
In addition, the BBE^{II} function boosts low and high frequencies, which loudspeakers tend to be less efficient in reproducing, through dynamic, program-driven augmentation. When combined with the phase compensation feature, the resulting sound has a clearer, more finely detailed "live" presence.

Each time you press BBE (B), the BBE^{II} function changes as follows:

BBE

```
    ┌→ BBE 1 → BBE 2 → BBE 3 ─┐
    │        BBE OFF         │
    └───────(Canceled)←──────┘
```

```
┌─────────────────┐
│   BBE      2     │
│  FM 1  ━━  100   │
│            BBE  │
└─────────────────┘
```

As the number gets higher, the BBE^{II} function becomes stronger.
When shipped from the factory, the BBE^{II} function is set to "BBE OFF."

* Under license from BBE Sound, Inc.
BBE^{II} is a trademark of BBE Sound, Inc.

Selecting preset sound modes (CEQ: custom equalizer)

You can select a preset sound mode (CEQ: custom equalizer) suitable to the music genre.

1 Press BAND MODE (M) to make the number buttons work as different function buttons.

BAND MODE
(M)

2 Activate custom equalizer (CEQ).

EQ The last selected sound mode is recalled and applied to the current sound.
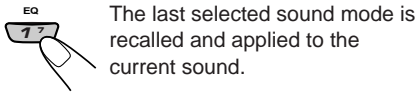
```
┌─      USER      ┐
└  00  ‒‒‒‒  00  ┘
 ══════════ CEQ
```

Ex.: If you have selected "USER" previously.

3 Select the sound mode you want.

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

```
┌─→ USER →  ROCK  → CLASSIC ─┐
└   JAZZ ← HIP HOP ← POPS  ←─┘
```

```
┌─      ROCK      ┐
└  +03 ‒‒‒‒ +01  ┘
 ══════════ CEQ      BBE ││││
```

Ex.: If you select "ROCK."
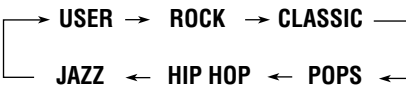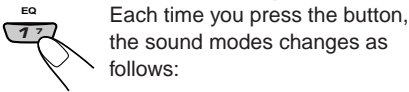
Indication	For:	Preset values		
		BASS	TRE	BBE^{II}
USER	(Flat sound)	00	00	BBE OFF
ROCK	Rock or disco music	+03	+01	BBE 2
CLASSIC	Classical music	+01	–02	BBE OFF
POPS	Light music	+04	+01	BBE OFF
HIP HOP	Funk or Rap music	+02	00	BBE 2
JAZZ	Jazz music	+02	+03	BBE OFF

Notes:

• *You can adjust each sound mode to your preference, and store it in memory.*
  If you want to adjust and store your original sound mode, see "Storing your own sound adjustments" on page 17.
• *To adjust the bass and treble reinforcement levels or to turn on/off the BBE^{II} function temporarily, see page 15.*

To store a sound mode separately for each playback source (CEQ Link)

You can select a sound mode and store it in memory. It will be recalled every time you select the same source and will be shown on the display.
A sound mode can be stored for each of the following sources — FM1, FM2, FM3, AM, CD and external components.
• See also "Changing the general settings (PSM)" on page 18.

1 Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display.
2 Press ∧ ►►I or I◄◄ ∨ to select "CEQ LINK" (Custom Equalization Link).
3 Turn the control dial to select "LINK ON."
4 Press SEL (S) to finish the setting.

To cancel CEQ Link, repeat the same procedure and select "LINK OFF" in step 3.

Note:
When you change the "CEQ LINK", sound mode (CEQ) is automatically reset to "USER."

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• **When "CEQ LINK" is set to "LINK ON"**
The selected sound mode can be stored in memory for the current source.
Each time you change to the same source, the same sound mode is also recalled and shown on the display. The CEQ indicator also flashes.

• **When "CEQ LINK" is set to "LINK OFF"**
The selected sound mode effect applies to any source.

Storing your own sound adjustments

You can adjust the sound modes 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 **Press BAND MODE (M) to make the number buttons work as different function buttons.**

BAND MODE
M

2 **Activate custom equalizer (CEQ).**

EQ
1

The last selected sound mode is recalled and applied to the current sound.

```
    POPS
  +04 ─── +01
══════════ CEQ
```

Ex.: If you have selected "POPS" previously.

3 **Select the sound mode you want.**

EQ
1

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

```
┌─→ USER → ROCK → CLASSIC ─┐
│                          │
└─ JAZZ ← HIP HOP ← POPS ←─┘
```
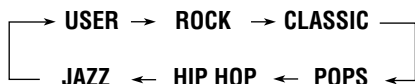
4 **Select the items you want to adjust.**

SEL
S

• See page 15 for details.

5 **Adjust the level.**
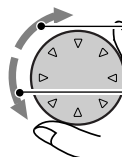
To increase the level.

To decrease the level.

```
  TRE     +06
  SEL ─── 100
══════════ CEQ
```

Equalization pattern changes as you adjust the bass or treble.

Ex.: When you adjust "TRE."

6 **Repeat steps 4 and 5 to adjust the other items.**
• To adjust the BBE^{II} level, see page 15.

7 **Repeat the same procedure to store other sound modes.**

To reset to the factory settings, repeat the same procedure and reassign the preset values listed in the table on page 16.

Changing the general settings (PSM)

You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

Basic Procedure

1 **Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display. (See page 19.)**


```
DEMO MODE
PSM          ON
```

Ex.: If you have selected "DEMO MODE" previously.

2 **Select the PSM item you want to adjust. (See page 19.)**


```
BEEP SW
PSM          ON
```
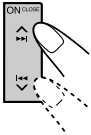
Ex.: When selecting "BEEP SW".

3 **Adjust the PSM item selected above.**


```
BEEP OFF
PSM          ON
```
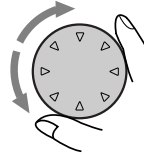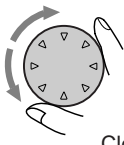
Ex.: If you have turn the control dial counterclockwise, "BEEP OFF" will appears on the display.

4 **Repeat steps 2 and 3 to adjust the other PSM items if necessary.**

5 **Finish the setting.**

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Preferred Setting Mode (PSM) items

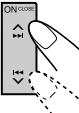| **1** SEL (S) Hold.	**2** ON/CLOSE Select...	**3** Set... Counter-clockwise / Clockwise		Factory-preset settings	See page
DEMO MODE	Demo mode	DEMO OFF	DEMO ON	DEMO ON	8
CLOCK HOUR	Hour adjustment	Back	Advance	1:00	8
CLOCK MIN	Minute adjustment	Back	Advance		
CEQ LINK	Custom equalizer linkage	LINK OFF	LINK ON	LINK OFF	20
CLOCK DISP	Clock display	CLOCK OFF	CLOCK ON	CLOCK ON	20
LEVEL	Level display	5 types (see page 20)		NORMAL	20
DIMMER	Dimmer mode	AUTO ↔ OFF ↳ ON ↵		AUTO	20
CRUISE	Audio cruise	CRUISE 1 ↔ CRUISE 2 ↳ CRUISE OFF ↵		CRUISE OFF	22
+OR– SET*	Idling speed	—		800 rpm	23
BOOST*	Boost	BOOST 01 – 15		BOOST 05	22
BEEP SW	Key-touch tone	BEEP OFF	BEEP ON	BEEP ON	20
CONTRAST	Display contrast	CONTRAST 1 – 10		CONTRAST 5	20
SCROLL	Scroll mode	ONCE ↔ AUTO ↳ OFF ↵		ONCE	20
WooferFreq (only for KD-LX333)	Subwoofer cutoff frequency	FREQ LOW ↔ FREQ MID ↳ FREQ HIGH ↵		FREQ MID	21
AREA	Channel interval	AREA US	AREA EU	AREA US	21
LINE ADJ (only for KD-LX333)	Line input level adjustment	LINE ADJ 00 – 05		LINE ADJ 00	21
EXT INPUT (only for KD-LX111)	External component	CD CHANGER	LINE INPUT	CD CHANGER	21
FLAT PANEL	Flat panel	FLAT OFF	FLAT ON	FLAT OFF	21

4 Press SEL (S) to finish the setting.

* *When you select "CRUISE 1" or "CRUISE 2" for Audio Cruise Mode, you can adjust these items.*

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ENGLISH

To set Custom Equalizer Link — CEQ LINK

A different sound mode (CEQ) can be stored in memory for each source so that you can change the sound modes simply by changing the sources. When shipped from the factory, this mode is deactivated.

- LINK ON: Different sound modes for different sources.
- LINK OFF: One sound mode for all sources.

To set the clock display — CLOCK DISP

You can set the clock to be shown on the display when the unit is turned on. When shipped from the factory, the clock is set to be shown on the display.

- CLOCK ON: Clock display is turned on.
- CLOCK OFF: Clock display is turned off.

To select the level meter — LEVEL

You can select the level meter display according to your preference. When shipped from the factory, "NORMAL" is selected.

- NORMAL: Normal audio level meter will be shown on both sides of the display.
- SIDE: Display illumination moves from inside to outside.
- FULL: Level meter is fully shown on the main display and display illumination starts.
- OFF: Level meter disappears but the center display illuminates.
- ALL OFF: Level meter and center display turns off.

To select the dimmer mode — DIMMER

When you turn on the car head lights, the display automatically dims (Auto Dimmer). When shipped from the factory, Auto Dimmer mode is activated.

- AUTO: Activates Auto Dimmer.
- OFF: Cancels Auto Dimmer.
- ON: Always dims the display.

Note on Auto Dimmer:

Auto Dimmer equipped with this unit may not work correctly on some vehicles, particularly on those having a control dial for dimming.
In this case, set the dimmer mode to "ON" or "OFF."

To turn on/off the key-touch tone — BEEP SW

You can deactivate the key-touch tone if you do not want it to beep each time you press a button. When shipped from the factory, the key-touch tone is activated.

- BEEP ON: Activates the key-touch tone.
- BEEP OFF: Deactivates the key-touch tone.

To adjust the display contrast level — CONTRAST

You can adjust the display contrast level among "1" (dark) to "10" (bright). When shipped from the factory, the display contrast level is set at level "5."

To select the scroll mode — SCROLL

You can select the scroll mode for the disc information if it consists of more than 10 characters. When shipped from the factory, Auto Scroll mode is set to "ONCE."

- ONCE: Scrolls only once.
- AUTO: Repeats the scroll (in 5-second intervals).
- OFF: Cancels Auto Scroll.

Note:

Even if the scroll mode is set to "OFF," you can scroll the display by pressing DISP (D) for more than 1 second.

To select the subwoofer cutoff frequency — WooferFreq (only for KD-LX333)

When a subwoofer is connected to this unit, select an appropriate cutoff frequency level for your subwoofer. When shipped from the factory, the subwoofer cutoff frequency is set to "FREQ MID."

• FREQ LOW: Frequencies higher than 50 Hz are cut off to the subwoofer.
• FREQ MID: Frequencies higher than 80 Hz are cut off to the subwoofer.
• FREQ HIGH: Frequencies higher than 120 Hz are cut off to the subwoofer.

To change the AM/FM channel intervals — AREA

When this unit is shipped from the factory, the channel intervals are set to 10 kHz for AM and 200 kHz for FM (AREA US settings).
You will have to change the channel intervals when using this unit in an area other than North America and South America.

• AREA EU: Select this when using this unit in an area other than North and South America.
(9 kHz for AM and 50 kHz (for manual tuning) / 100 kHz (for searching) for FM)
• AREA US: Select this when using this unit in North or South America.
(10 kHz for AM and 200 kHz for FM)

Note:
If the channel intervals settings are changed, the following will occur.
• *The names assigned to the stations will be erased from memory. To reassign the names, see "Assigning names to the sources" on pages 23 and 24.*

To adjust the line input level — LINE ADJ (only for KD-LX333)

Adjust the line input level properly when an external component is connected to the LINE INPUT plugs. When shipped from the factory, the line input level is set at level "00."
If the input level of the connected component is not high enough, increase the input level properly. Without adjusting the line input level, you may be surprised at a loud sound when you change from the external component to another source.

To select the external component to use — EXT INPUT (only for KD-LX111)

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 unit, you need to select which component – CD changer or external component – to use. When shipped from the factory, CD changer is selected as the external component.

• LINE INPUT: To use the external component other than CD changer.
• CD CHANGER: To use the CD changer.

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

To make the front panel look flat (hiding the control panel) — FLAT PANEL

When operating the receiver using the remote control, you can hide the control panel to make the front panel look flat. When shipped from the factory, "FLAT OFF" is selected.

• FLAT ON: The control panel will not come out when you turn on the unit. To use the control panel, press I◀◀ ∨ so that the control panel comes out. If no operation is done for about 10 seconds, it automatically goes back into the receiver.
• FLAT OFF: You can use the control panel normally.

Note:
When "FLAT ON" is selected, you can eject a CD by holding I◀◀ ∨.

ENGLISH

Controlling the volume automatically (Audio Cruise)

You can select the proper cruise mode for your car.
This unit changes the volume level automatically (at 3 possible levels) based on the driving speed of your car by detecting the alternator's generating frequency (Audio Cruise).
If you want to use this mode, follow the procedure below. When shipped from the factory, this mode is set to "CRUISE OFF."
• CRUISE 1: Select this if your car is relatively quiet.
• CRUISE 2: Select this if your car is relatively loud.
The volume increase rate is twice as much as that of the CRUISE 1 setting.
• CRUISE OFF: Cancels Audio Cruise.

1 **Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display. (See page 19.)**
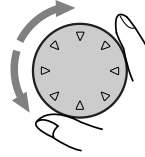

2 **Select "CRUISE" if not shown on the display.**
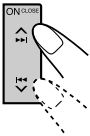
3 **Select the desired setting.**
As you turn the control dial, the Audio Cruise mode changes as follows:

→ CRUISE 1 ↔ CRUISE 2 ←
→ CRUISE OFF ←

4 **Finish the setting.**

To adjust the volume increase rate

If you find Audio Cruise increases (or decreases) the volume either too much or too little as the driving speed changes, you can adjust the increase rate by changing the boost level.
To change it, follow the procedure below.
• See also "Changing the general settings (PSM)" on page 18.

1 Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display.
2 Press ∧ ►►| or |◄◄ ∨ repeatedly until "CRUISE" appears on the display.
3 Turn the control dial to select either "CRUISE 1" or "CRUISE 2."
4 Press ∧ ►►| (or |◄◄ ∨) to select "BOOST." The current boost level also appears on the display.
5 Turn the control dial to select the desired boost level (among 01 to 15).
6 Press SEL (S) to finish the setting.

If Audio Cruise does not function correctly

You may need to store the idling speed into memory to make Audio Cruise function correctly.

NOTICE that a number of factors, such as electric power steering, wipers, power windows, air conditioner, etc. do generate noises and, as a result, may cause Audio Cruise not to function correctly. If this is the main cause of malfunction, connect the memory backup lead (yellow lead) directly to the car battery to prevent these noises from affecting Audio Cruise.

1 Start the engine and let it warm up.
2 Press and hold SEL (S) for more than 2 seconds so that one of the PSM items appears on the display.
3 Press ∧ ►►| or |◄◄ ∨ repeatedly until "CRUISE" appears on the display.
4 Turn the control dial to select either "CRUISE 1" or "CRUISE 2."
5 Press ∧ ►►| (or |◄◄ ∨) to select "+OR− SET."
6 Turn the control dial to select the desired idling speed.
7 Press SEL (S) to finish the setting.

When the setting is complete, the unit automatically checks to see if Audio Cruise functions correctly with this new idling setting. If it does not function correctly, Audio Cruise is canceled automatically and the idling setting becomes invalid.
• *If this happens, see the NOTICE above.*

Assigning names to the sources

You can assign names to station frequencies, CDs and the external component. After assigning a name, it will appear on the display when you select the source.

Sources	Maximum number of the characters
Station frequencies	Up to 10 characters (up to 25 station frequencies including both FM and AM)
CDs* and CD changer*	Up to 32 characters (up to 40 discs)
External component	Up to 10 characters

* *You cannot assign a name to a CD Text.*

1 **Select a source you want to assign a name to.**

ATT
SOURCE
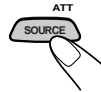
2 **Press and hold SEL (S) for more than 2 seconds while pressing DISP (D).**

DISP   SEL
D   S

FM   100
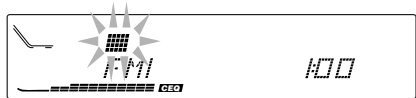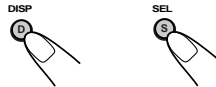
Ex.: When you select a station frequency as the source.

CD   100

Ex.: When you select the CD as the source.

23

INE INPUT
100
CEO

↕

LINE INPUT
100
CEO

Ex.: When you select the external
component as the source.

3 **Select the character set you want while " ▦ " is flashing.**
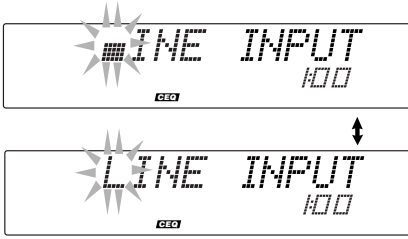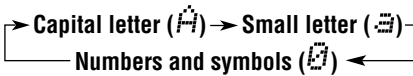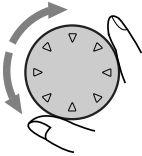
DISP
D

Each time you press the button, the character set changes as follows:

→ **Capital letter (Ȟ)** → **Small letter (ᴢ̇)**
└─ **Numbers and symbols (Ȱ)** ◄─

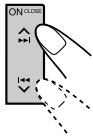**4** **Select a character.**

• See right column for available characters.

5 **Move the cursor to the next (or previous) character position.**

ON CLOSE
∧
►►|
|◄◄
∨

6 **Repeat steps 3 to 5 until you finish inputting the name.**

7 **Press the button while the last selected character is flashing.**

SEL
S

The input name is stored in memory.

To erase the input characters

Insert spaces using the same procedure described above.

Available characters

Capital letters

A	B	C	D	E	F	G	H	I	J
K	L	M	N	O	P	Q	R	S	T
U	V	W	X	Y	Z	space			

Small letters

a	b	c	d	e	f	g	h	i	j
k	l	m	n	o	p	q	r	s	t
u	v	w	x	y	z	space			

Numbers and symbols

0	1	2	3	4	5	6	7	8	9
!	"	#	$	%	&	'	(	)	*
+	,	−	.	/	:	;	<	=	>
?	@	_	`	space					

Notes:
- *When you try to assign a name to the 41st disc, "NAME FULL" appears on the display. (In this case, delete unwanted names before assignment.)*
- *When the CD changer is connected, you can assign names to CDs in the CD changer. These names can also be shown on the display if you insert the CDs in this unit.*

Press ON CLOSE to turn on the power.
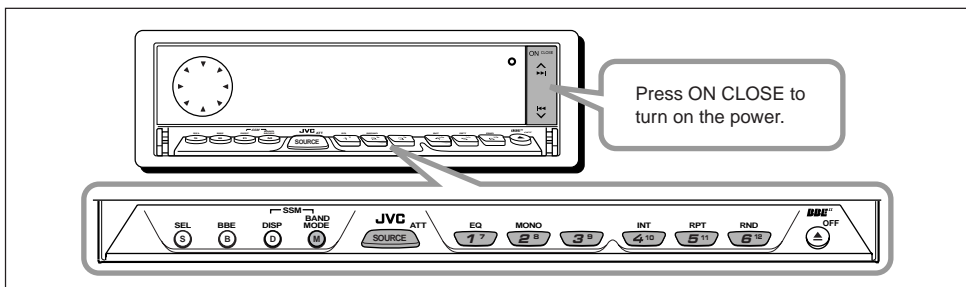
We recommend that you use one of the CH-X series with your unit.

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

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

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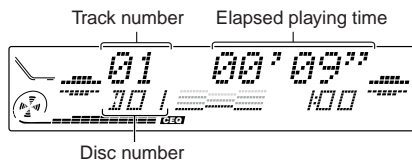
Playing CDs

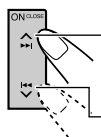### Select the CD automatic changer (CD-CH).

Each time you press the button, the source changes as described on page 7.
Playback starts from the first track of the first disc.
All tracks of all discs are played back.

Track number   Elapsed playing time

Disc number

To fast-forward or reverse the track

Press and hold ∧ ►►l, while playing a CD, to fast-forward the track.

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

To go to the next tracks or the previous tracks

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

25

To go to a particular disc directly

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

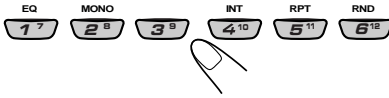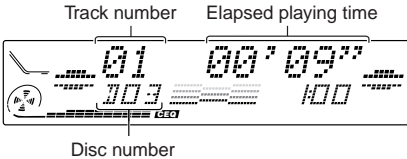| EQ	MONO		INT	RPT	RND
1 7	2 8	3 9	4 10	5 11	6 12

- 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.

Track number   Elapsed playing time

Disc number

Ex.: When disc number 3 is selected.

To show the CD Text information

This is possible only when connecting a JVC CD automatic changer equipped with CD Text reading capability.
See "Playing a CD Text" on page 14.

Selecting CD playback modes

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

To play back tracks at random (Random Play)

1 Press BAND MODE (M) while playing a CD.
"MODE" appears on the display.

2 Press RND (random), while "MODE" is still on the display, so that the RND indicator lights up on the display.
Each time you press the button, CD random play mode changes as follows:

RND indicator

```
→ RANDOM1 → RANDOM2 ┐
└──── Canceled ←─────┘
```

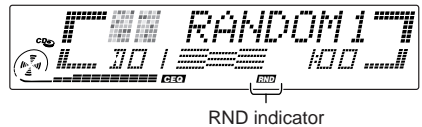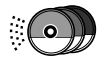| Mode	RND Indicator	Plays at random
RANDOM1	Lights.	All tracks of the current disc, then the tracks of the next disc, and so on.
RANDOM2	Flashes.	All tracks of all discs inserted in the magazine.

To play back tracks repeatedly (Repeat Play)

1 Press BAND MODE (M) while playing a CD.
"MODE" appears on the display.

2 Press RPT (repeat), while "MODE" is still on the display, so that the RPT indicator lights up on the display.
Each time you press the button, CD repeat play mode changes as follows:

Track number of the currently playing track

RPT indicator

    → REPEAT1 → REPEAT2
         Canceled ←

Mode	RPT Indicator	Plays repeatedly
REPEAT1	Lights.	The current track (or specified track).
REPEAT2	Flashes.	All tracks of the current disc (or specified disc).

To play back only intros (Intro Scan)

1 Press BAND MODE (M) while playing a CD.
"MODE" appears on the display.

2 Press INT (intro scan), while "MODE" is still on the display. Each time you press the button, CD intro scan mode changes as follows:

Track number of the currently playing track

    → INTRO1 → INTRO2
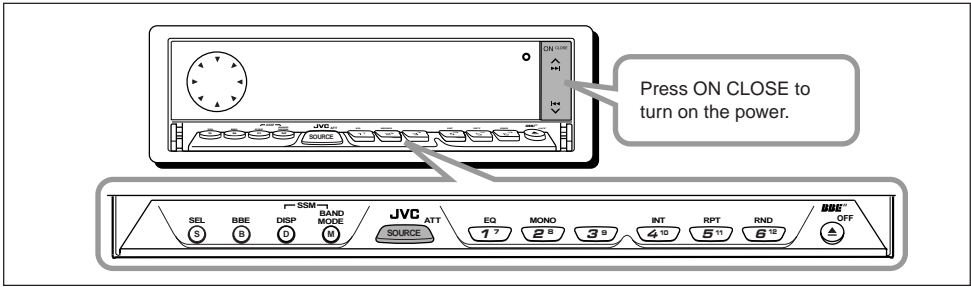   Canceled ←

Mode	Indication	Plays the beginnings (15 seconds)
INTRO1	Track number flashes.	Of all tracks on all inserted discs.
INTRO2	Disc number flashes.	Of the first track on inserted disc.

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Press ON CLOSE to turn on the power.

Playing an external component

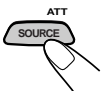When connecting an external component, you can select the component as the sound source.

Notes for KD-LX333:
- *For the external component connection, see the Installation/Connection Manual (separate volume).*
- *If the input level of the external component connected to the LINE INPUT plug is not high enough, increase the input level properly. Without adjusting the input level, you may be surprised at a loud sound when you change the source from the external component to another. (See "To adjust the line input level — LINE ADJ" on page 21.)*

Notes for KD-LX111:
- *For connecting the external component, you need to use the Line Input Adaptor KS-U57 (not supplied). See the Installation/Connection Manual (separate volume).*
- *Before operating the external component using the following procedure, select the external input correctly. (See "To select the external component to use — EXT INPUT" on page 21.)*

1 **Select the external component.**

Each time you press the button, the source changes as described on page 7.

2 **Operate the external component.**

Using a subwoofer

This section is only for KD-LX333.

By connecting a subwoofer to the SUBWOOFER OUT plugs on the rear, you can enjoy enhanced bass sounds and a more realistic theater atmosphere in your car.
- Refer also to the instructions supplied with your subwoofer.

When a subwoofer is connected to this unit, do the following as required.

To set the subwoofer cutoff frequency, see "To select the subwoofer cutoff frequency — WooferFreq" on page 21.

To adjust the subwoofer output volume, see "Adjusting the sound" on page 15.

TROUBLESHOOTING ⁇

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

Symptoms	Causes	Remedies
• CD cannot be played back.	CD is inserted upside down.	Insert the CD correctly.
• CD sound is sometimes interrupted.	You are driving on rough roads.	Stop CD play while driving on rough roads.
	CD is scratched.	Change the CD.
	Connections are incorrect.	Check the cords and connections.
• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	CD-R/CD-RW is not finalized.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
• "EJECT ERR" appears on the display and CD cannot be ejected.	The CD player may function incorrectly.	Press and hold I◀◀ ∨ for more than 5 seconds.
• No message appears on the display but CD cannot be ejected.		While holding ∧ ▶▶I, press the reset button. Release the reset button, then release ∧ ▶▶I. (Be careful not to drop the CD when ejecting.)
• Sound cannot be heard from the speakers.	The volume level is set to the minimum level.	Adjust it to the optimum level.
	Connections are incorrect.	Check the cords and connections.
• 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 DISC" appears on the display.	No CD is in the magazine.	Insert CD.
• "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.
• When "ERR 20" to "ERR 40" appears on the display.	There is something blocking the control cover movement.	Press the reset button on the front panel. (See page 2.) If the reset button does not works, check the Installation/ Connection Manual (separate volume). (Ex.: You have used a longer screws than specified.)
• This 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 the reset button on the front panel. (See page 2.)

❓❗ MAINTENANCE

Handling CDs

This unit has been designed to reproduce the CDs bearing the following marks.

[COMPACT DIGITAL AUDIO disc]   [COMPACT DIGITAL AUDIO disc TEXT]

You can play back your original CD-Rs (Recordable) and CD-RWs (Rewritable) on this receiver.
This unit is not compatible with MP3.

How to handle CDs

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

Center holder

• Always hold the CD by the edges. Do not touch its recording surface.
When storing a CD into its case, gently insert the CD around the center holder (with the printed surface facing up).
• Make sure to store CDs into the cases after use.

To keep CDs clean

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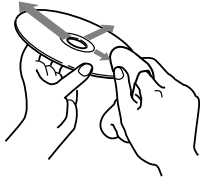
To play new CDs

New CDs may have some rough spots around the inner and outer edges. If such a CD is used, this unit may reject the CD. To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.
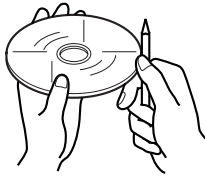
About mistracking:
Mistracking may result from driving on extremely rough roads. This does not damage the unit and the CD, but will be annoying.
We recommend that you stop CD play while driving on such rough roads.

Moisture condensation

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

When playing a CD-R or CD-RW

User-edited CD-Rs (Recordable) and CD-RWs (Rewritable) can be played back only if they are already "finalized."
• You can play back your original CD-Rs or CD-RWs recorded in music CD format. (However, they may not be played back depending on their characteristics or recording conditions.)
• Before playing back CD-Rs or CD-RWs, read their instructions or cautions carefully.
• Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, damage or stain on them, or if the player's lens is dirty.
• CD-Rs or CD-RWs are susceptible to high temperatures or high humidity; so do not leave them inside your car.
• CD-RWs may require a longer readout time. (This is caused by the fact that the reflectance of CD-RWs is lower than for regular CDs.)

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

AUDIO AMPLIFIER SECTION

Maximum Power Output:
Front: 50 W per channel
Rear: 50 W per channel
Continuous Power Output (RMS):
Front: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than
0.8% total harmonic distortion.
Rear: 19 W per channel into 4 Ω, 40 Hz
to 20 000 Hz at no more than
0.8% total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:
Bass: ±10 dB at 100 Hz
Treble: ±10 dB at 10 kHz
Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-In Level/Impedance (only for KD-LX333):
1.5 V/20 kΩ load
Line-Out Level/Impedance:
KD-LX333: 4.0 V/20 kΩ load (full scale)
KD-LX111: 2.0 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ

TUNER SECTION

Frequency Range:
FM: 87.5 MHz to 107.9 MHz
(with channel interval set to 200 kHz)
87.5 MHz to 108.0 MHz
(with channel interval set to 50 kHz)
AM: 530 kHz to 1 710 kHz
(with channel interval set to 10 kHz)
531 kHz to 1 602 kHz
(with channel interval set to 9 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: 1.5 dB

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

CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical
pickup (semiconductor laser)
Number of channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit

GENERAL

Power Requirement:
Operating Voltage: DC 14.4 V
(11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature:
0°C to +40°C (32°F to 104°F)
Dimensions (W $\times$ H $\times$ D):
Installation Size:
182 mm $\times$ 52 mm $\times$ 160 mm
(7-3/16" $\times$ 2-1/16" $\times$ 6-5/16")
Panel Size:
188 mm $\times$ 58 mm $\times$ 8 mm
(7-7/16" $\times$ 2-5/16" $\times$ 3/8")
Mass: 1.8 kg (4.0 lbs)
(excluding accessories)

*Design and specifications subject to change without
notice.*

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

JVC

MOBILE ENTERTAINMENT

http://www.jvcmobile.com

Visit us on-line for
Technical Support & Customer Satisfaction Survey.

US RESIDENTS ONLY

Having TROUBLE with operation?
Please reset your unit

Refer to page of How to Reset
Still having trouble??

USA ONLY

Call 1-800-252-5722

http://www.jvc.com
We can help you!

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VICTOR COMPANY OF JAPAN, LIMITED