

JVC



CD RECEIVER

KD-SX1000R

ENGLISH

RECEPTOR CON CD

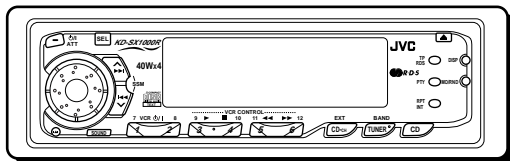
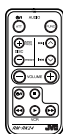
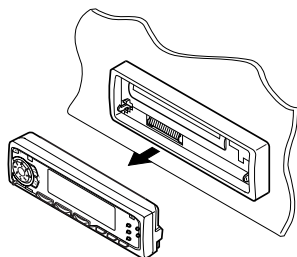
KD-SX1000R

ESPAÑOL

RECEPTEUR CD

KD-SX1000R

FRANÇAIS



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.

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. _____

INSTRUCTIONS

MANUAL DE INSTRUCCIONES
MANUEL D'INSTRUCTIONS

VNN3874-631S

[J]

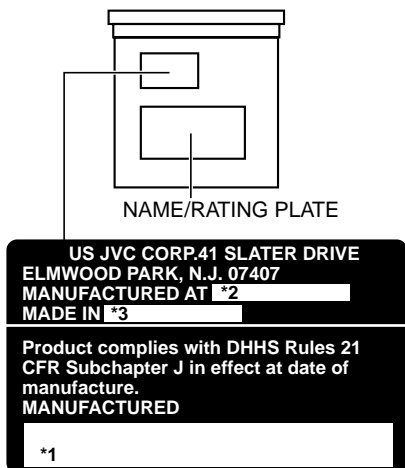
INFORMATION (For U.S.A.)

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.

Identification and Certification labels

Bottom of the main unit



Notes:

- *1 The date of manufacture.
- *2 The ID code of manufacturing plant.
- *3 Marking of country origin.

IMPORTANT FOR LASER PRODUCTS (For U.S.A. only)

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 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 CD 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.

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.

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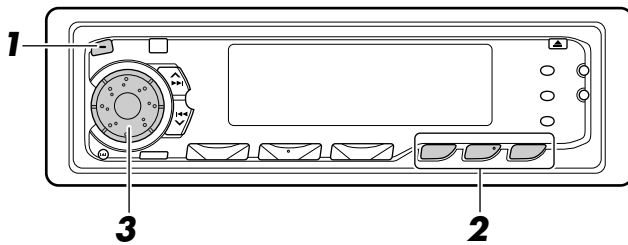


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BASIC OPERATIONS

**Note:**

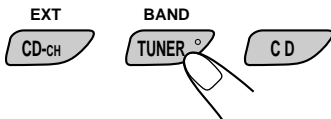
When you use this unit for the first time, set the built-in clock correctly, see page 26.

1

Turn on the power.

Note on One-Touch Operation:

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

2

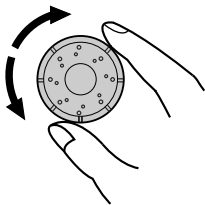
Select the source.

To operate the tuner, see pages 5 – 17.

To operate the CD player, see pages 18 – 22.

To operate the CD changer, see pages 40 – 42.

To operate the external component connected to the LINE IN plugs, see page 43.

3

Adjust the volume.

Volume level appears.

Volume level indicator (see page 29).

**4**

Adjust the sound as you want (see pages 23 – 25).

To drop the volume in a moment

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

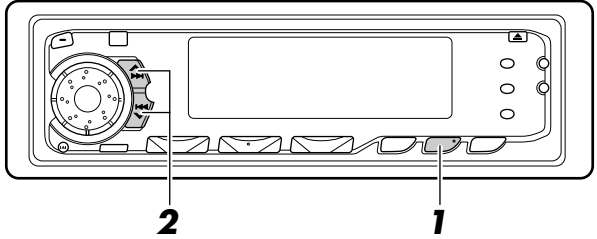
To resume the previous volume level, press the button briefly again.

To turn off the power

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

Listening to the radio

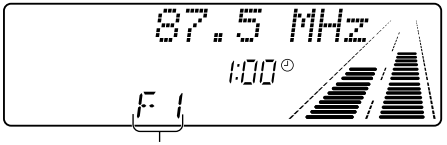
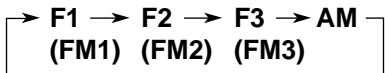
When using this unit in an area other than North or South America:
You need to change the AM/FM channel intervals. See "Changing the AM/FM channel intervals" on page 33.



1

BAND TUNER

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



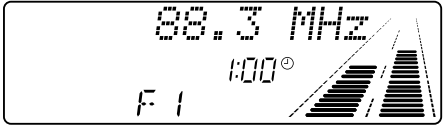
Selected band appears.

2

To search stations of higher frequencies.

To search stations of lower frequencies.

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



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

To tune in a particular frequency without searching

- 1 Press TUNER/BAND repeatedly to select the band (FM or AM).
- 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 200 kHz intervals for FM and 10 kHz intervals for AM) until you release the button.



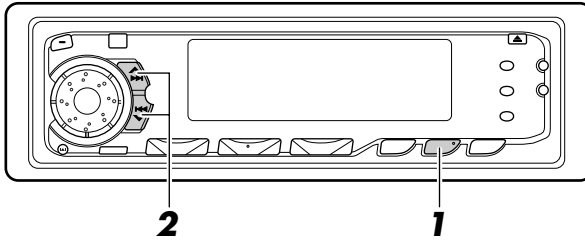
Storing stations in memory

You can use one of the following two methods to store broadcasting stations in memory.

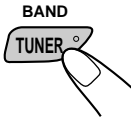
- Automatic preset of FM stations: SSM (Strong-station Sequential Memory)
- Manual preset of both FM and AM stations

FM station automatic preset: SSM

You can preset 6 local FM stations in each FM band (FM1, FM2 and FM3).



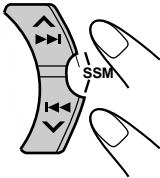
1



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



2



Press and hold both buttons for more than 3 seconds.



"SSM" appears, then disappears when automatic preset is over.

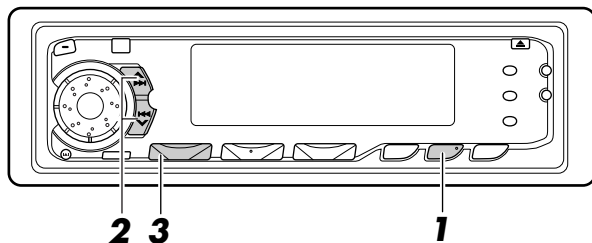
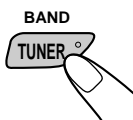
Local FM stations with the strongest signals are searched and stored automatically in the band number you have selected (FM1, FM2 or FM3). These stations are preset in the number buttons — No. 1 (lowest frequency) to No. 6 (highest frequency).

When automatic preset is over, the station stored in number button 1 will be automatically tuned in.

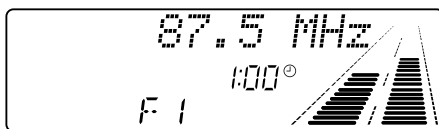
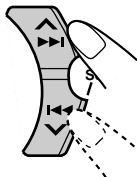
Manual preset

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

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

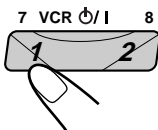

1


Select the FM1 band.


2


Tune into a station of 88.3 MHz.

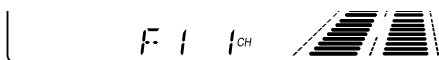
See page 5 to tune into a station.


3


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



Preset number and "MEMO" flashes alternately for a while.


4

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

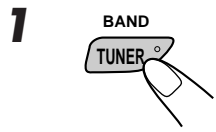
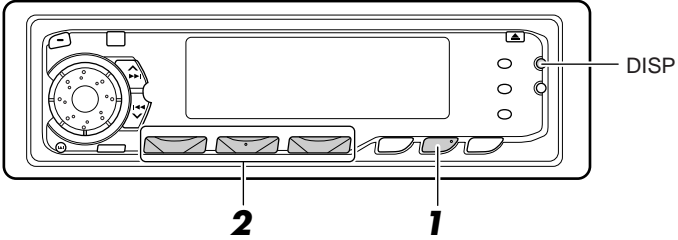
Notes:

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

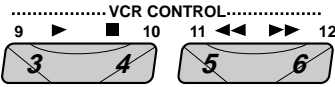
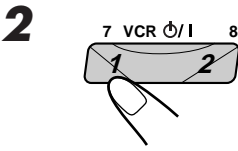
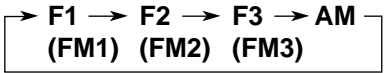


Tuning into a preset station

You can easily tune into a preset station. Remember that you must store stations first. If you have not stored them yet, see pages 6 and 7.



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



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

To change the display information while receiving an FM RDS station

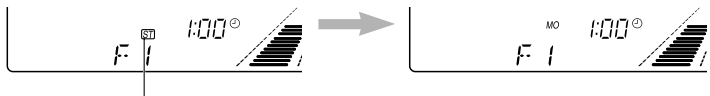
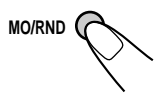
Press DISP. Each time you press the button, the display changes as follows:



Selecting FM reception sound

When an FM stereo broadcast is hard to receive:

Press MO/RND (Mono/Random) 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.



What you can do with RDS

RDS (Radio Data System) allows FM stations to send an additional signal along with their regular program signals. For example, the station send their station names, as well as information about what type of program they broadcast, such as sports or music, etc.

By receiving the RDS signals, this unit can do the following:

- Tracing the same programme automatically (Network-tracking Reception)
- Standby Reception of TA (Traffic Announcement) or your favorite programme
- PTY (Program Type) search
- TA (Traffic Announcement) search
- And some other functions

Tracing the same programme automatically (Network-Tracking Reception)

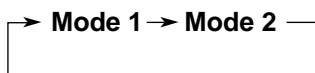
When driving in an area where FM reception is not good, the tuner built in this unit automatically tune in another RDS station, within the same network broadcasting the same programme with stronger signals. So, you can continue to listen to the same programme in its finest reception, no matter where you drive. (See illustration.)

Two types of the RDS signals are used to make Network-Tracking Reception work correctly — PI (Programme Identification) and AF (alternative Frequency) data.

Without receiving these data correctly from the RDS station you are listening to, Network-Tracking Reception will not operate.



To use Network-Tracking Reception, press and hold TP/RDS (Traffic Programme/Radio Data System) for more than 1 second. Each time you press and hold the button, Network-Tracking Reception modes change as follows:



Mode 1 (AF:on)

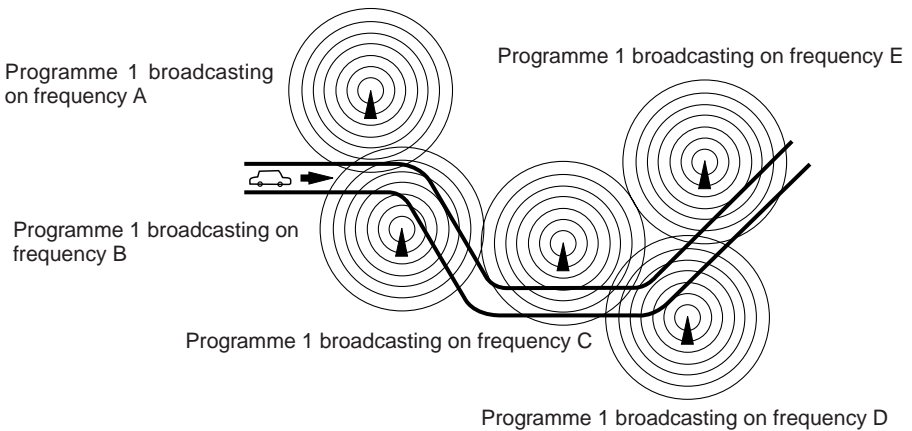
Network-Tracking is activated.

Switches to another station, within the same network, broadcasting the same programme when the receiving signals from the current station become weak.

Mode 2 (AF:off)

Network-Tracking is deactivated.

The same programme can be received on different frequencies.



Using Standby Reception

Standby Reception allows the unit to switch temporarily to a programme of your favorite programme (PTY: Programme Type) and Traffic Announcement (TA) from the current source (another FM station, CD, and other connected components).

Note:

Standby Reception will not work if you are listening to an AM station.

TA Standby Reception



- When TP/RDS is pressed briefly in the FM mode, the TP indicator is lit during reception of a TP station and the TA standby mode is engaged.

Note:

When the station being received is not a TP station, the TP indicator flashes. Press ►►|▲ or ◀◀|▼ to engage the TA standby mode. “SEARCH” appears on the display, and TP station search starts. When a TP station is tuned in, the TP indicator is lit.

- If you are listening to a CD and wish to hear a TA broadcast, press TP/RDS to enter the TA standby mode. (The TP indicator lights up.)

If a TA programme starts broadcasting while the TA standby mode is active, “TRAFFIC” appears and the FM mode is engaged. The volume increases to the preset “TA VOLUME” level and the TA programme can be heard (see page 15).

Note:

To deactivate the TA standby mode, press TP/RDS again.

PTY Standby Reception



- When PTY is briefly pressed in the FM mode, the PTY indicator is lit during reception of a PTY station and the PTY standby mode is engaged. The selected PTY name stored on page 12 flashes for 5 seconds.

Note:

When the station being received is not a PTY station, the PTY indicator flashes. Press ►►|▲ or ◀◀|▼ to engage the PTY standby mode. “SEARCH” appears on the display, and PTY station search starts. When a PTY station is tuned in, the PTY indicator is lit.

- If you are listening to a CD and wish to hear a selected PTY broadcast, press PTY to enter the PTY standby mode. (The PTY indicator lights up.)

If the PTY starts broadcasting while the PTY standby mode is active, the selected PTY name appears and the FM mode is engaged. The selected PTY can then be heard.

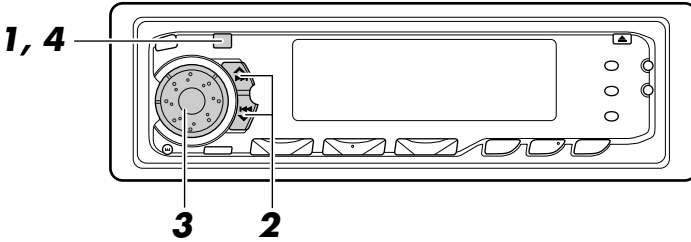
Note:

To deactivate the PTY standby mode, press PTY again.



Selecting Your Favorite Programme for PTY Standby Reception

You can select your favorite programme for PTY Standby Reception to store in memory. When shipped from the factory, "NEWS" is stored as the programme type for PTY Standby Reception.

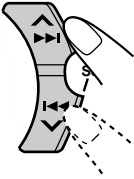


1



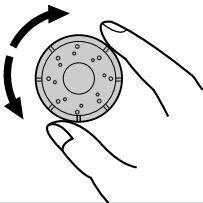
Press and hold the button for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2



Select "PTY STANDBY" if not shown on the display.

3



Select one of twenty-four PTY codes. (See the table on page 17.)

Selected code name appears on the display and is stored into memory.

4



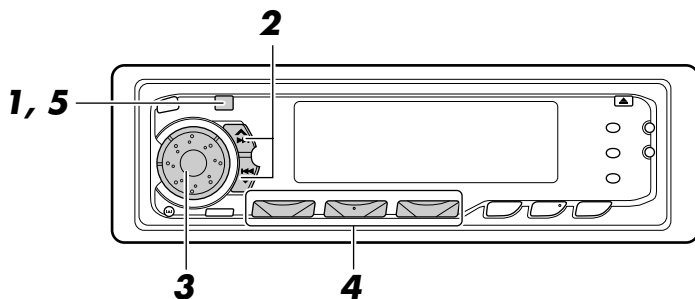
Finish setting.


Searching Your Favorite Programme

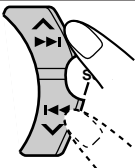
You can search one of your 6 favorite programme types stored in memory. When shipped from the factory, the following 6 programme types have been stored in the number buttons (1 to 6).

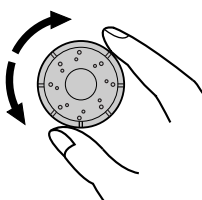
| 1 | 2 | 3 | 4 | 5 | 6 |
|--------|------|------|------|----------|--------|
| INFORM | TALK | ROCK | JAZZ | CLASSICL | PUBLIC |

To store your favorite programme types

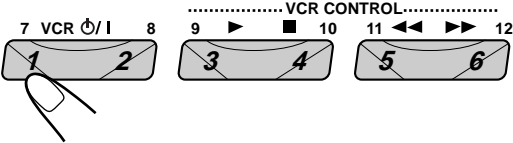


1  Press and hold the button for more than 2 seconds to call up the Preferred Setting Mode (PSM: see page 27).

2  Select "PTY SEARCH" if not shown on the display.

3  Select one of twenty-four PTY codes. (See the table on page 17.)
Selected code name appears on the display.

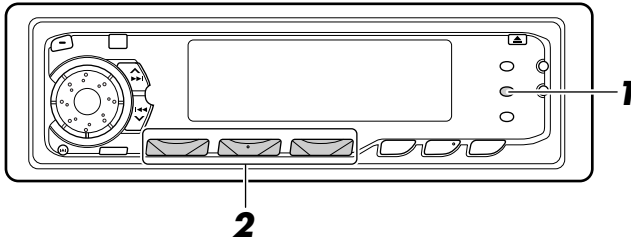
- If the code already stored in memory is selected, it will flash on the display.

4  Press and hold the number button for more than 2 seconds to store the PTY code selected into the preset number you want. PTY preset number appears, and selected code name and "MEMORY" alternates on the display.

5  Finish setting.



To search your favorite programme type



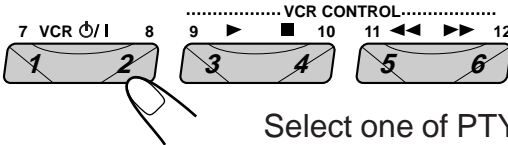
1



Press and hold the button for more than 1 second while listening to an FM station. The last selected PTY code and preset number appear.



2



Select one of PTY codes stored in the preset number buttons (1 to 6).



Ex. When "CLASSICL" is stored in preset number button 2.

PTY search for your favorite programme starts after 5 seconds.

- If there is a station broadcasting a programme of the same PTY code you selected, that station is tuned in.
- If there is no station broadcasting a programme of the same PTY code you selected, the station will not change.

Note:

In some areas, the PTY search will not work correctly.

Other convenient RDS functions and adjustments

Automatic selection of the station when using the number buttons

Usually when you press the number button, the preset station is tuned in.

However, when the preset station is an RDS station, something different will happen. If the signals from that preset station are not sufficient for good reception, this unit starts searching another station broadcasting the same programme as the original preset station is broadcasting, then if any station broadcasting the same programme is found, the station will be tuned in.

Changing the display mode while listening to an FM station

You can change the initial indication on the display to either station name (PS) or to station frequency, while listening to an FM RDS station.

• See also “Changing the general settings (PSM)” on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “DISPLAY MODE” with ►►|▲ or ◀◀|▼.
3. Set to the desired indication (either station name or station frequency) with the control dial.

Note:

By pressing DISP, you can also change the display while listening to an FM RDS station.

Each time you press the button, the display changes to show the following:

► Station Frequency → PS (Station name) → PTY (Program type)

Setting the TA volume level

You can preset the volume level for TA Standby Reception. When a traffic programme is received, the volume level automatically changes to the preset level.

• See also “Changing the general settings (PSM)” on page 27.

1. Press and hold SEL (select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “TA VOLUME” with ►►|▲ or ◀◀|▼.
3. Set to the desired volume with the control dial.



Automatic clock adjustment

When shipped from the factory, the clock built in this unit is set to be readjust automatically using the CT (Clock Time) data in the RDS signal.

If you do not want to use automatic clock adjustment, follow the procedure below.

- See also “Changing the general settings (PSM)” on page 27.
1. Press and hold SEL (select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
 2. Select “AUTO ADJUST” with ►►I▲ or I◄◄▼.
 3. Select “ADJUST OFF” by turning the control dial counterclockwise.
Now automatic clock adjustment is canceled.

To reactivate clock adjustment, repeat the same procedure and select “ADJUST ON” in step 3 by turning the control dial clockwise.

Note:

It takes about 2 minutes to adjust the time using the CT data. So, you must tune to the station for more than 2 minutes continuously; otherwise, the clock time will not be adjusted.

PTY codes

| No. | Indications on the display | No. | Indications on the display |
|-----|----------------------------|-----|----------------------------|
| 1 | NEWS | 13 | NOSTALGA |
| 2 | INFORM | 14 | JAZZ |
| 3 | SPORTS | 15 | CLASSICL |
| 4 | TALK | 16 | R&B |
| 5 | ROCK | 17 | SOFT R&B |
| 6 | CLS ROCK | 18 | LANGUAGE |
| 7 | ADLT HIT | 19 | REL MUSC |
| 8 | SOFT RCK | 20 | REL TALK |
| 9 | TOP 40 | 21 | PERSNLTY |
| 10 | COUNTRY | 22 | PUBLIC |
| 11 | OLDIES | 23 | COLLEGE |
| 12 | SOFT | 24 | WEATHER |

Descriptions of the PTY Codes

NEWS: News reports, either local or network in origin.

INFORM: Programming that is intended to impart advice.

SPORTS: Sports reporting, commentary, and/or live event coverage, either local or network in origin.

TALK: Call-in and/or interview talk shows either local or national in origin.

ROCK: Album cuts.

CLS ROCK: Rock oriented oldies, often mixed with hit oldies, from a decade or more ago.

ADLT HIT: An up-tempo contemporary hits format with no hard rock and no rap.

SOFT RCK: Album cuts with a generally soft tempo.

TOP 40: Current hits, often encompassing a variety of rock styles.

COUNTRY: Country music, including contemporary and traditional styles.

OLDIES: Popular music, usually rock, with 80% or greater non-current music.

SOFT: A cross between adult hits and classical, primarily non-current soft-rock originals.

NOSTALGA: Big-band music.

JAZZ: Mostly instrumental, includes both traditional jazz and more modern "smooth jazz."

CLASSICL: Mostly instruments, usually orchestrations of adult hits.

R & B: A wide range of musical styles, often called "urban contemporary."

SOFT R & B: Rhythm and blues with a generally soft tempo.

LANGUAGE: Any programming format in a language other than English.

REL MUSC: Music programming with religious lyrics.

REL TALK: Call-in shows, interview programs, etc. with a religious theme.

PERSNLTY: A radio show where the on-air personality is the main attraction.

PUBLIC: Programming that is supported by listeners and/or corporate sponsors instead of advertising.

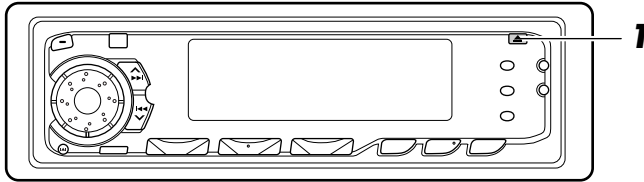
COLLEGE: Programming produced by a college or university radio station.

WEATHER: Weather forecasts or bulletins that are non-emergency in nature.

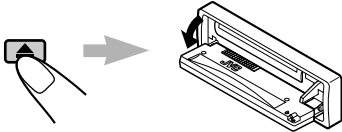


CD OPERATIONS

Playing a CD

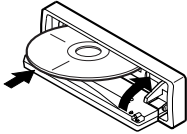


1



Open the control panel.

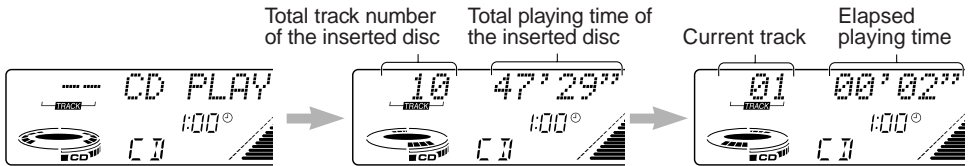
2



1. Insert a disc into the loading slot.

The unit turns on, draws a CD and starts playback automatically.

2. Close the control panel by hand.



Notes:

- When a CD is inserted up side down, "PLEASE EJECT" appears on the display. When you open the control panel by pressing **▲**, the CD automatically ejects.
- When you play the CD Text, the disc title and performer appear on the display. Then the current track and elapsed playing time appears on the display. If a CD Text includes much text information, some may not appear on the display.

Note on One-Touch Operation:

When a CD is already in the loading slot, pressing **CD** turns on the unit and starts playback automatically.

To stop play and eject the CD

Press **▲**.

CD play stops, the control panel opens, then the CD automatically ejects from the loading slot. If you change the source to AM/FM, CD changer or external component, the CD play also stops (without ejecting the CD this time).

Notes:

- 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.)
- You can eject the CD even when the unit is turned off.

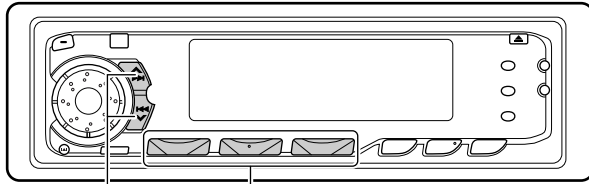
To show the assigned name while the elapsed playing time appears

Press **DISP**. Each time you press the button, elapsed playing time and assigned name (see page 34) appears alternately on the display.

- See also "Playing the CD Text" (page 22) and "Selecting the scroll mode" (page 33).

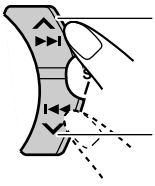


Locating a track or a particular portion on a CD



Number buttons

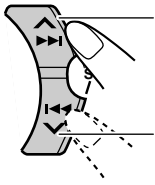
To fast forward or reverse the track



Press and hold ►►|▲, while playing a CD, to fast forward the track.

Press and hold ◀◀|▼, while playing a CD, to reverse the track.

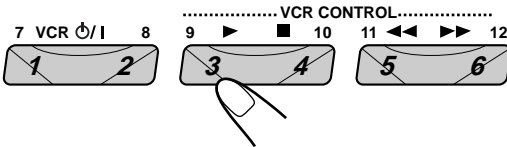
To go to the next track or the previous track



Press ►►|▲ 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 track is located and played back.

Press ◀◀|▼ 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 track is located and played back.

To go to a particular track directly

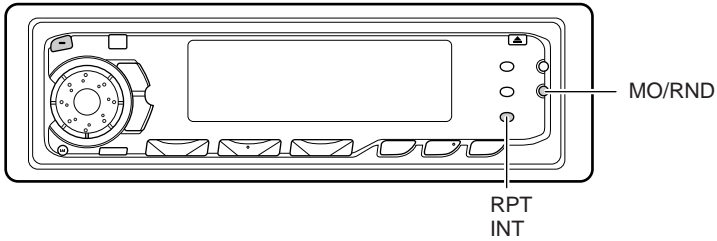


Press the number button corresponding to the track number to start its playback.

- 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.

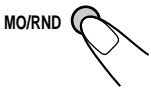


Selecting CD playback modes

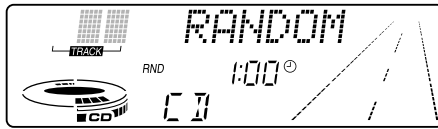


To play back tracks at random (Random Play)

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

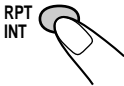


Each time you press MO/RND (Mono/Random) while playing a CD, CD random play mode turns on and off alternately. When the random mode is turned on, the RND indicator lights up on the display and a track randomly selected starts playing.



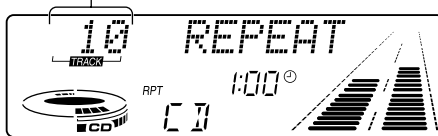
To play back tracks repeatedly (Repeat Play)

You can play back the current track repeatedly.



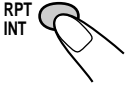
Each time you press and hold RPT/INT (Repeat/Intro) for more than 1 second while playing a CD, CD repeat play mode turns on and off alternately. When the repeat mode is turned on, the RPT indicator lights up on the display.

Track number of the currently playing track





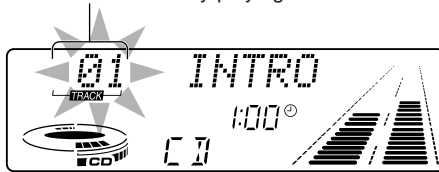
To play back only intros (Intro Scan)



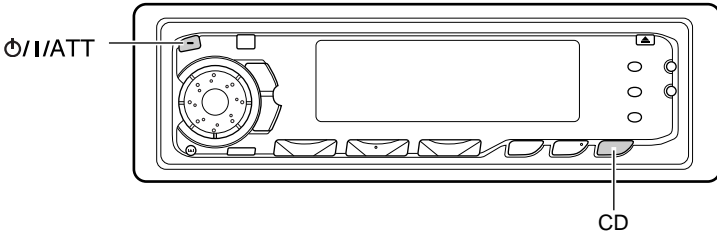
Each time you press RPT/INT (Repeat/Intro) briefly while playing a CD, CD intro scan mode turns on and off alternately.

When the intro scan mode is turned on, "INTRO" appears on the display for 5 seconds and the track number flashes. The first 15 seconds of each track are played sequentially.

Track number of the currently playing track

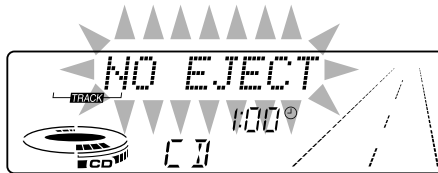


Prohibiting CD ejection



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

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

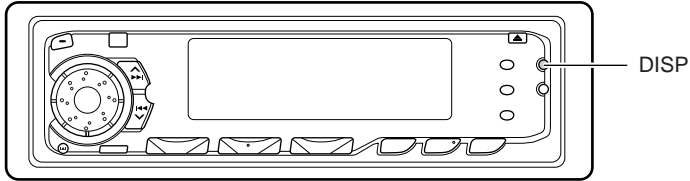


To cancel the prohibition and unlock the CD, press O/I/ATT again for more than 2 seconds, while pressing CD. "EJECT OK" appears on the display, and the CD is unlocked.



Playing the 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.

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



Notes:

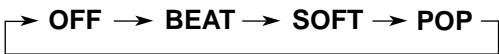
- The display shows up to 12 characters at one time and scrolls if there are more than 12 characters. See also “Selecting the scroll mode” on page 33. If a CD Text includes much text information, track title may not appear on the display. (In this case, “MEMORY FULL” will appear.)
- When you press *DISP* while playing a CD you have assigned name to, you can also show it on the display. If you have not assigned anything, “NO NAME” appears on the display.



Selecting preset sound modes

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

Each time you press SOUND, the sound control mode (SCM) changes as follows.



| Indication | For: | Preset values | | |
|------------|------------------------|---------------|--------|----------|
| | | Bass | Treble | Loudness |
| 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 |

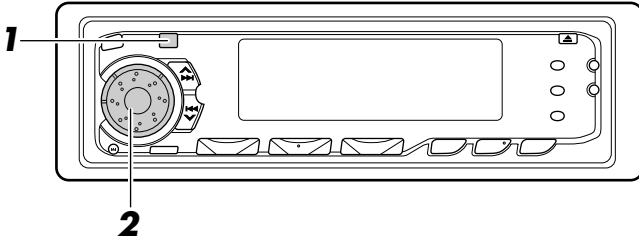
Notes:

- You can adjust the preset sound control mode to your preference, and store it in memory. If you want to adjust and store your original sound control mode, see “Storing your own sound adjustments” on page 25.
- To adjust only the bass and treble reinforcement levels to your preference, see “Adjusting the sound” on page 24.



Adjusting the sound

You can adjust the sound characteristics to your preference.



1



Select the item you want to adjust.

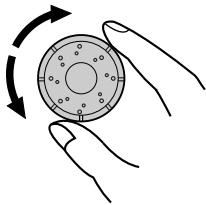


| Indication | To do: | Range |
|------------|--|------------------------------------|
| BASS | Adjust the bass | -06 (min.) — +06 (max.) |
| TREBLE | Adjust the treble | -06 (min.) — +06 (max.) |
| FADER* | Adjust the front and rear speaker balance | R06 (rear only) — F06 (front only) |
| BALANCE | Adjust the left and right speaker balance | L06 (left only) — R06 (right only) |
| LOUDNESS | Boost low and high frequencies to produce a well-balanced sound at low volume level. | ON — OFF |
| VOLUME | Adjust the volume | 00 (min.) — 50 (max.) |

Note:

* If you are using a two-speaker system, set the fader level to “00” (center).

2



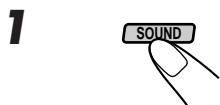
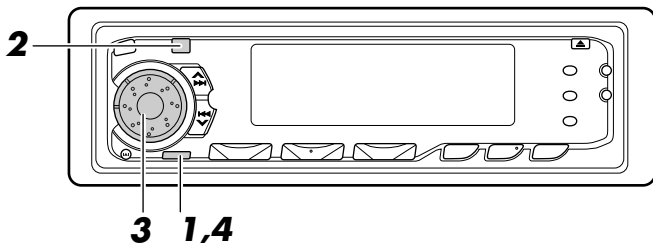
Adjust the level.

Note:

Normally the control dial is used to set the volume. So you do not have to select “VOLUME” to adjust the volume level.

Storing your own sound adjustments

You can adjust the sound modes (BEAT, SOFT, POP: see page 23) to your preference and store your own adjustments in memory.

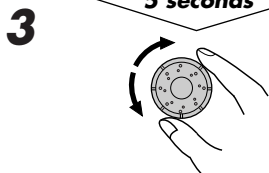


Call up the sound mode you want to adjust.
See page 23 for details.

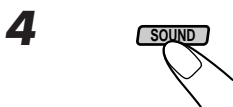


Select "BASS", "TREBLE" or "LOUDNESS."

**Within
5 seconds**



Adjust the selected item.
See page 24 for details.



Press and hold the button until the setting selected in step 2 appears and starts flashing on the display.
Your setting is stored in memory.

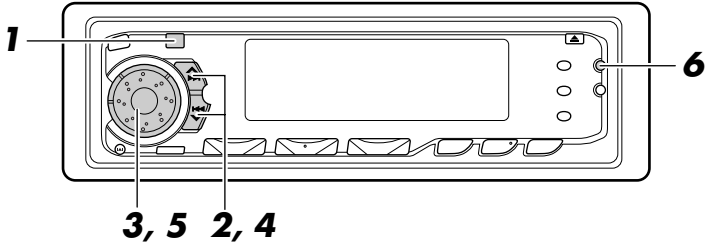
5 Repeat the same procedure to store other settings.

To reset to the factory settings

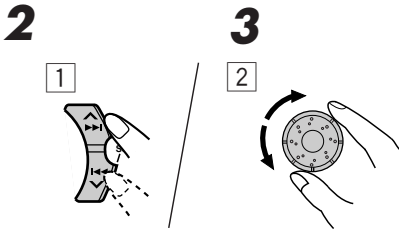
Repeat the same procedure and reassign the preset values listed in the table on page 23.

Setting the clock

You can also set the clock system either to 24 hours or 12 hours. (See page 29.)

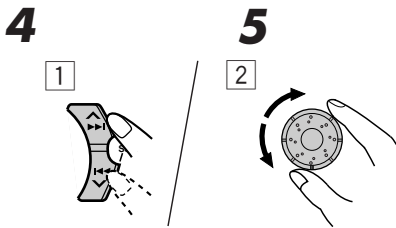


Press and hold the button for more than 2 seconds so that “PSM” appears on the lower part of the display.



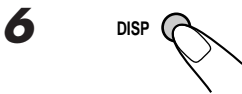
Set the hour.

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



Set the minute.

- 1 Select “CLOCK MINUTE.”
- 2 Adjust the minute.



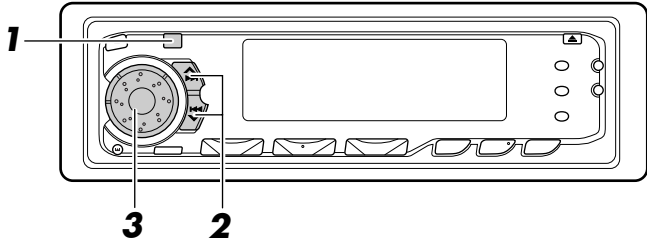
Start the clock.


To check the current clock time while the unit is turned off, press DISP. The power turns on, the clock time is shown for 5 seconds, then the power turns off.

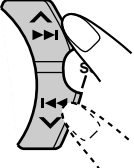
Changing the general settings (PSM)

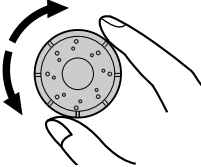
You can change the items listed on the next page by using the PSM (Preferred Setting Mode) control.

Basic Procedure



1  Press and hold the button for more than 2 seconds so that “PSM” appears on the lower part of the display.

2  Select the PSM item you want to adjust. (See page 28.)

3  Select or adjust the PSM item selected above.

| 1 | 2 Select. | 3 Set. | | Factory-preset settings | See page |
|-----------------------|--------------------------------|--------------------------------------|---------|-------------------------|----------|
| CLOCK HOUR | Hour adjustment | Back | Advance | 1:00 | 26 |
| CLOCK MINUTE | Minute adjustment | Back | Advance | | |
| CLOCK24H/12H | 24/12-hour time display | 12HOUR | 24HOUR | 12HOUR | 29 |
| AUTO ADJUST | Automatic setting of the clock | OFF | ON | OFF | 16 |
| DISPLAY MODE | Display mode | FREQUENCY | PS NAME | PS NAME | 15 |
| PTY STANDBY | PTY standby | 24 programme types (See page 17.) | | NEWS | 12 |
| PTY SEARCH | PTY search | | | (See page 12.) | 12 |
| TA VOLUME | Traffic announcement volume | VOL (00-50) | | VOL (20) | 15 |
| LEVEL METER | Level display | NORMAL ↔ PEAK ↵ OFF ↻ | | NORMAL | 29 |
| DIMMER MODE | Dimmer | AUTO ↔ OFF ↵ ON ↻ | | AUTO | 29 |
| CRUISE MODE | Audio cruise | 1 ↔ 2 ↵ OFF ↻ | | OFF | 30 |
| + OR – RPM SET | Idling speed * | — | | 800 rpm | 31 |
| BOOST | Boost * | 01 –15 | | 05 | 31 |
| BEEP SWITCH | Key-touch tone | OFF | ON | ON | 32 |
| P.AMP SWITCH | Power amplifier switch | OFF | ON | ON | 32 |
| CONTRAST | Display contrast | 1 –10 | | 5 | 33 |
| SCROLL MODE | Name display | ONCE ↔ AUTO ↵ OFF ↻ | | ONCE | 33 |
| AREA CHANGE | AM/FM channel intervals | EU | US | US | 33 |

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

- Press SEL (Select) when the setting is complete.

Selecting 24-hour or 12-hour clock

You can change the clock built in this unit either to 24 hour system or 12 hour system.

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select the “CLOCK24H/12H” mode with ►►|▲ or |◄◄▼.
3. Select “CLOCK 24HOUR” or “CLOCK 12HOUR” with the control dial.
The clock built alternates between 24 hour system and 12 hour system.

24HOUR ↔ 12HOUR

Selecting the level display

You can select the level display according to your preference. When shipped from the factory, the level indicator on the display shows the audio level.

- NORMAL: Audio level indicator
- PEAK: Peak level indicator
- OFF: Volume level indicator

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “LEVEL METER” with ►►|▲ or |◄◄▼.
3. Select the desired mode with the control dial.
The level display setting changes as follows:

► **NORMAL** ↔ **PEAK** ↔ **OFF** ◀

Selecting the dimmer mode

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
- ON: Always dims the display
- OFF: Cancels Auto Dimmer

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “DIMMER MODE” with ►►|▲ or |◄◄▼.
3. Select the desired mode with the control dial.
The dimmer mode changes as follows:

► **AUTO** ↔ **ON** ↔ **OFF** ◀

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”.

Controlling the volume automatically (Audio Cruise Mode)

You can select the proper cruise mode for your car.

This unit change 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 procedures below. When shipped from the factory, this mode is set to "OFF."

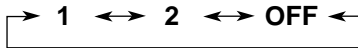
- 1: Select this if your car is relatively quiet.
- 2: Select this if your car is relatively loud.
The volume increase rate is twice as much as that of the CRUISE 1 setting.
- OFF: Cancels Audio Cruise.

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.

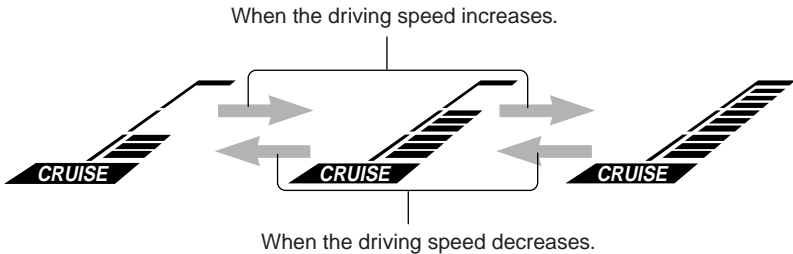
2. Select "CRUISE MODE" with $\blacktriangleright\blacktriangleright\blacktriangle$ or $\blacktriangleleft\blacktriangleleft\blacktriangleright$.

3. Select the desired mode with the control dial.

The cruise mode changes as follows:



When this function is turned on (the CRUISE indicator lights up on the display), the proper volume level is automatically selected among the 3 possible levels according to the driving speed, and the selected level is shown on the display.



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.

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “CRUISE MODE” with ►►|▲ or |◄◄▼.
3. Select either “CRUISE 1” or “CRUISE 2” with the control dial.
4. Select “BOOST” with ►►|▲ or |◄◄▼.

The current boost level appears on the display.

5. Select the desired boost level (among 1 to 15) as you want while the current boost level is shown on the display with the control dial.
 - To increase the volume increase rate, rotate it clockwise.
 - To decrease the volume increase rate, rotate it counterclockwise.

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 (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
3. Select “CRUISE MODE” with ►►|▲ or |◄◄▼.
4. Select either “CRUISE 1” or “CRUISE 2” with the control dial.
5. Select “+ OR – RPM SET” with ►►|▲ or |◄◄▼.
6. Select the desired idling speed as you want with the control dial.

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.*

Turning on or off the key-touch tone

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

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

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “BEEP SWITCH” with ►►|▲ or |◄◄▼.
3. Select the desired mode with the control dial.

The key-touch tone alternates between on and off.

ON ↔ OFF

Turning on or off the power amplifier switch

You can switch off the built-in amplifier and send the audio signals only to the external amplifier(s) to get clear sounds and to prevent internal heat buildup inside this unit. When shipped from the factory, the power amplifier switch is turned on so that built-in amplifier works.

- ON: Select this mode when not using external power amplifier(s).
- OFF: Select this mode when using external power amplifier(s).

1. Press and hold SEL (Select) for more than 2 seconds so that “PSM” appears on the lower part of the display.
2. Select “P.AMP SWITCH” with ►►|▲ or |◄◄▼.
3. Select the desired mode with the control dial.

The power amplifier switch alternates between on and off.

ON ↔ OFF

Adjusting the contrast level

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

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "CONTRAST" with **▶▶|▲** or **◀◀|▼**.
3. Select the desired mode with the control dial.

Selecting the scroll mode

You can select the scroll mode for the name display and disc information if it consists of more than 12 characters. When shipped from the factory, Auto Scroll mode is set to "ONCE."

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

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "SCROLL MODE" with **▶▶|▲** or **◀◀|▼**.
3. Select the desired mode with the control dial.

The scroll mode changes as follows:



Note:

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

Changing the AM/FM channel intervals

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)

1. Press and hold SEL (Select) for more than 2 seconds so that "PSM" appears on the lower part of the display.
2. Select "AREA CHANGE" with **▶▶|▲** or **◀◀|▼**.
3. Select the correct channel intervals with the control dial.

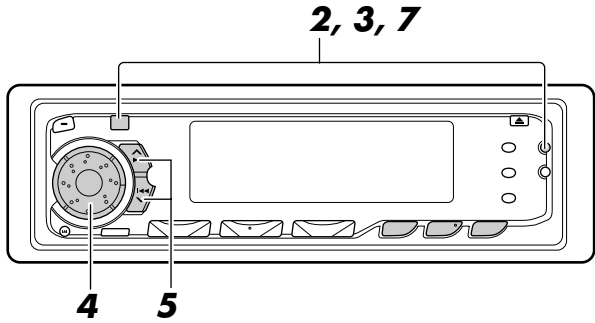
The channel intervals alternate between EU settings and US settings.



Assigning names to the sources

You can assign a name to a CD and the external component connected to the LINE IN plugs. After assigned a name, it will appear on the display when you select it.

| Sources | Maximum number of the characters |
|--------------------|--------------------------------------|
| CDs | up to 32 characters (up to 40 discs) |
| External component | up to 12 characters |



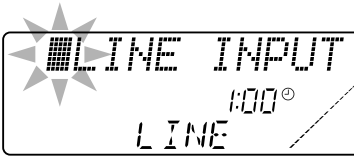
1 Select a source you want to assign a name to.

2 Press and hold SEL (select) for more than 2 seconds while pressing DISP.




When you select the CD as the source:

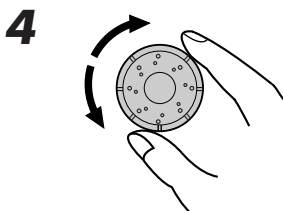
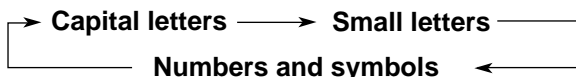
When you select the external component connected to the LINE IN plugs as the source:





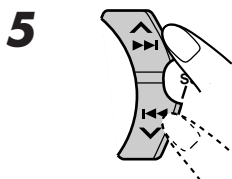
Select the character set you want while “” is flashing.

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



Select a character.

About the available characters, see page 36.



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

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



Press the button while the last selected character is flashing.

The input name is stored in memory.

To erase the input characters

Insert spaces using the same procedure described above.

Notes:

- When you 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 CH-X1200 connected, you can assign names to CDs in CH-X1200. These names can also be shown on the display if you insert the CDs in this unit. You can also change the disc title of a CD Text by assigning a name to the disc. However, if you do so, its performer will not be shown after changing the disc title.

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 | | | | | |

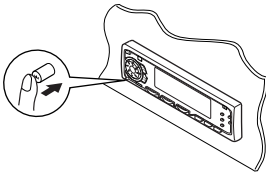
Detaching the control panel

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.

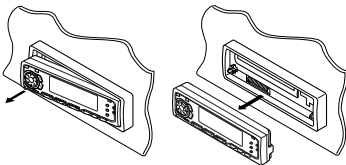
How to detach the control panel

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

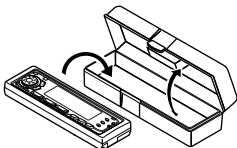
1 Unlock the control panel.



2 Pull the control panel out of the unit.

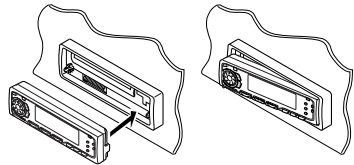


3 Put the detached control panel into the provided case.

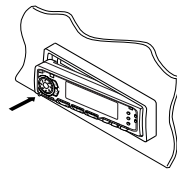


How to attach the control panel

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



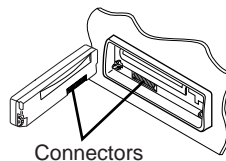
2 Press the left side of the control panel to fix it to the panel holder.



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.

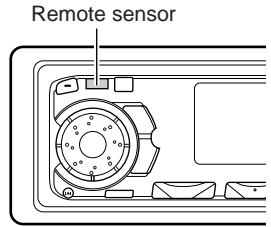




REMOTE OPERATIONS

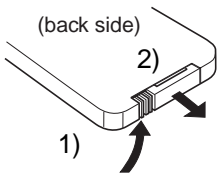
Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the main unit. Make sure there is no obstacle in between.
- Do not expose the remote sensor to strong light (direct sunlight or artificial lighting).



Installing the batteries

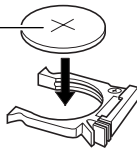
When it becomes necessary to bring the remote controller close to the remote sensor for it to work, the battery is running low, at this point, the battery should be replaced. (Battery life is about 1 year with normal use.)



1. Remove the battery case.

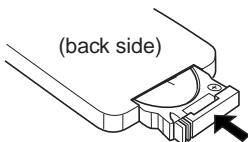
- 1) Push in the direction indicated by the arrow with your right hand thumbnail.
- 2) Remove the battery case.

Lithium coin battery
(product number:
CR2025)



2. Replace the battery.

Put the battery in the case with the + side facing upwards.



3. Return the battery case.

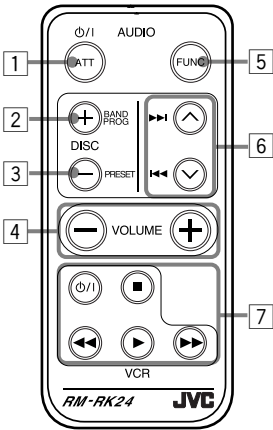
Insert again the battery case pushing until you hear a clicking sound.

WARNING:

- Store the batteries in a place which children cannot reach.
If a child somehow ingests the battery, immediately consult a doctor.
- Do not recharge, short, disassemble or heat the batteries or put them in a flame.
Doing any of these things may cause the batteries to give off heat, crack or start a fire.
- Do not mix the batteries with other metals.
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.
If this is not done, it may cause the batteries to give off heat, crack or start a fire.
- Do not poke the batteries with a metal pin set of similar device.
Doing this may cause the batteries to give off heat, crack or start a fire.



Using the remote controller



- 1 Functions the same as the ϕ /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.
 - Does not function for the preferred setting mode adjustment.
- 5 Select the source. Each time you press FUNC (function), the source changes.
- 6
 - 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.
- 7
 - ϕ /I: Turns on or off a VCR if pressed.
 - ■: Stops playing a tape if pressed.
 - ◀◀: Rewinds a tape if pressed and held while watching a VCR.
 - ▶▶: Starts playing a tape if pressed.
 - ▶▶▶: Fast forwards a tape if pressed and held while watching a VCR.



CD CHANGER OPERATIONS

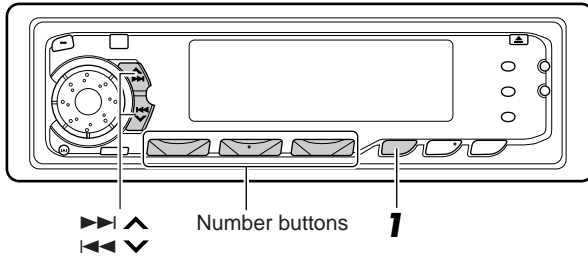
We recommend that you use one of the CH-X series (ex: CH-X1200) with your unit. If you have another CD automatic changer, consult your JVC car audio dealer for connections.

- 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.

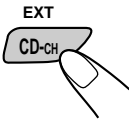
Before operating your CD automatic changer:

- 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 appear on the display. If this happens, remove the magazine and set the discs correctly.
- If "RESET 1 - RESET 8" appears on the display, something is wrong with the connection between this unit and the CD changer. If this happens, check the connection, connect the connecting cord(s) firmly if necessary, then press the reset button of the CD changer.

Playing CDs



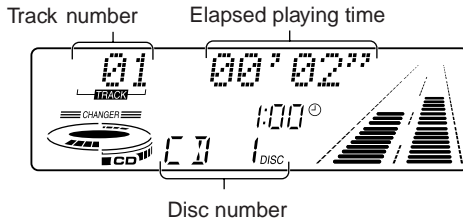
1



Select the CD automatic changer.

Each time you press the button, you can select the CD automatic changer and the external component alternately.

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

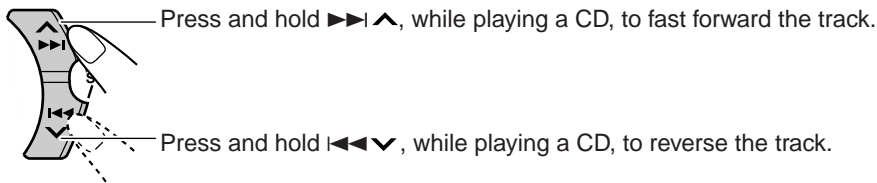


Note on One-Touch Operation:

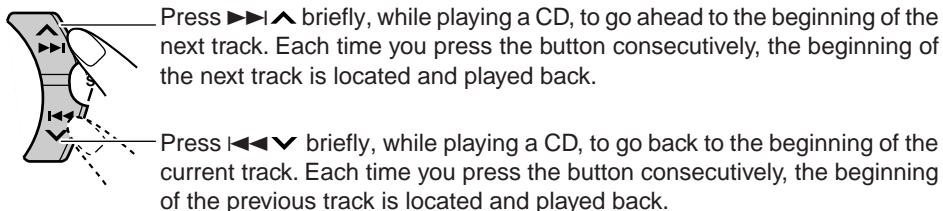
When you press CD-CH/EXT, the power automatically comes on. You do not have to press /ATT to turn on the power.



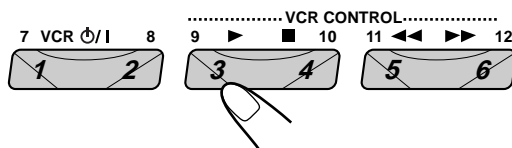
To fast forward or reverse the track



To go to the next track or the previous track



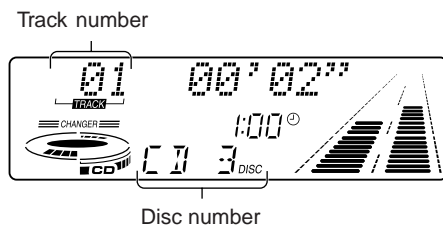
To go to a particular disc directly



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

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

Ex. When disc number 3 is selected

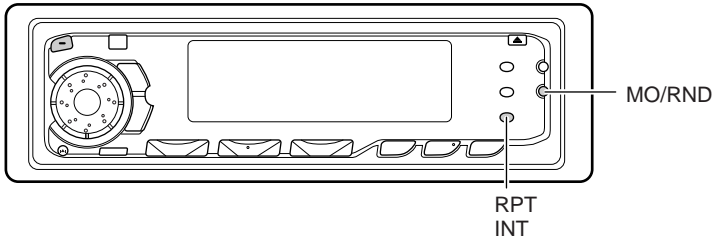


To show the CD Text information

See "Playing the CD Text" on page 22.

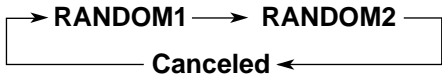


Selecting CD playback modes



To play back tracks at random (Random Play)

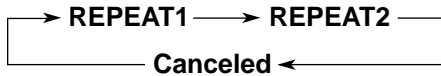
Each time you press MO/RND (Mono/Random) while playing a CD, CD random play mode changes as follows:



| 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)

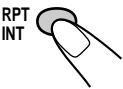
Each time you press and hold RPT/INT (Repeat/Intro) for more than 1 second while playing a CD, CD repeat play mode changes as follows:



| 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)

Each time you press RPT/INT (Repeat/Intro) briefly while playing a CD, CD intro scan mode changes as follows:



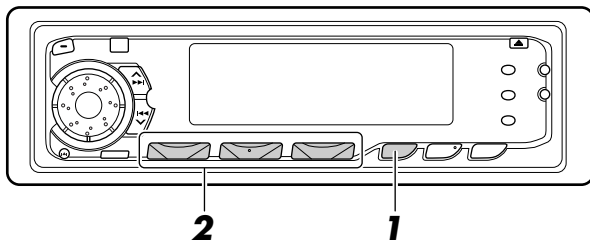
| Mode | Indication | Plays the beginnings (15 seconds) |
|---------|------------------------------|---|
| INTRO 1 | Track number flashes | Of all tracks on all inserted discs. |
| INTRO 2 | Track and Disc numbers flash | Of the first track on each inserted disc. |

EXTERNAL COMPONENT OPERATIONS

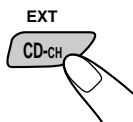


After connecting a VCR (KZ-V10) to the LINE IN plugs, you can perform the following operations. You can also connect the TV to this unit.

Playing VCRs

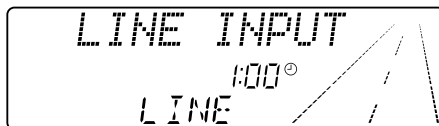


1

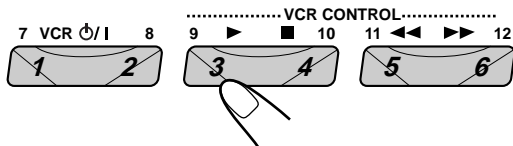


Select the external component.

Each time you press the button, you can select the CD automatic changer and the external component alternately.



2



Operate VCRs.

- VCR **O/I**: Turns on and off.
- ▶**: Starts playing.
- : Stops operations.
- ◀◀**: Rewinds a tape.
- ▶▶**: Fast winds a tape.

Note:

When selecting an external component as the source, the display always shows "VCR ..." by pressing these buttons regardless of whether you connect VCR or not.



Note on One-Touch Operation:

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



MAINTENANCE

Handling CDs

This unit has been designed only to reproduce the CDs bearing the  and  marks. Other discs cannot be played back.

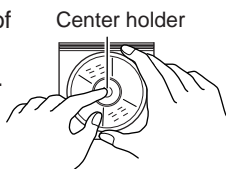
How to handle CDs

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.

- 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.



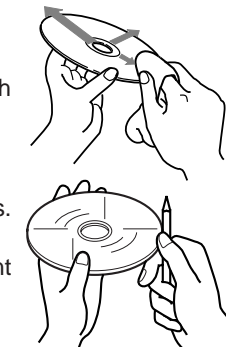
To keep CDs clean

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.



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.

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.*


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.

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. |
| • 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. |
| | "P. AMP (Power Amplifier) SWITCH" is not set correctly. | Set "P. AMP SWITCH" correctly. See page 32. |
| • 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 loading slot (or in the magazine). | Insert CD. |
| | CD is inserted incorrectly. | Insert it 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. |
| • CD can be neither played back nor ejected. | The CD player may function incorrectly. | Press CD and SEL at the same time for more than 2 seconds. ("PLEASE EJECT" appears on the display.) When you open the control panel by pressing ▲, be careful not to drop CD when it is ejected. |
| • The unit does not work at all. | The built-in microcomputer may function incorrectly due to noise, etc. | Press  /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.) |

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 to 20,000 Hz at no more than 0.8 % total harmonic distortion.

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

Load Impedance: 4 Ω (4 to 8 Ω allowance)

Tone Control Range:

Bass: ± 10 dB at 100 Hz

Treble: ± 10 dB at 10 kHz

Frequency Response: 40 to 20,000 Hz

Signal-to-Noise Ratio: 70 dB

Line-In Level/Impedance: 1.5 V/20 k Ω

Line-Out Level/Impedance: 4.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

TUNER SECTION

Frequency Range:

FM: 87.5 to 107.9 MHz

(with channel interval set to 200 kHz)

87.5 to 108.0 MHz

(with channel interval set to 50 kHz)

AM: 530 to 1,710 kHz

(with channel interval set to 10 kHz)

531 to 1,602 kHz

(with channel interval set to 9 kHz)

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μ V/75 Ω)

50 dB Quieting Sensitivity:

16.3 dBf (1.8 μ V/75 Ω)

Alternate Channel Selectivity (400 kHz):

65 dB

Frequency Response: 40 to 15,000 Hz

Stereo Separation: 30 dB

Capture Ratio: 1.5 dB

[AM Tuner]

Sensitivity: 20 μ V

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 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 volts (11 to 16 volts allowance)

Grounding System: Negative ground

Dimensions (W x H x D)

Installation Size:

182 x 52 x 150 mm

(7-3/16" x 2-1/16" x 5-15/16")

Panel Size: 188 x 58 x 14 mm

(7-7/16" x 2-5/16" x 5/8")

Mass: 1.4 kg (3.1 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
VICTOR COMPANY OF JAPAN, LIMITED