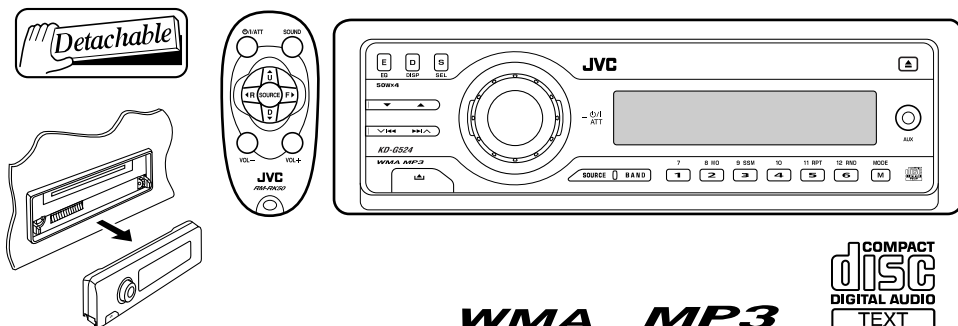# JVC

CD RECEIVER

KD-G524

WMA   MP3

COMPACT
disc
DIGITAL AUDIO
TEXT

For canceling the display demonstration, see page 6.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

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.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

| **CAUTION :** Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e) | **ADVARSEL :** Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling. (d) | **VARNING :** Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Betrakta ej strålen. (s) | **VARO :** Avattaessa ja suojalukitus ohitettuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi. (f) |

How to reset your unit
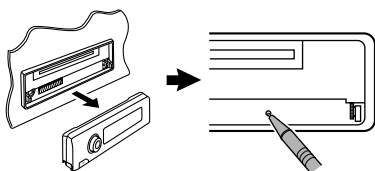
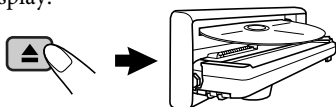*Your preset adjustments will also be erased.*
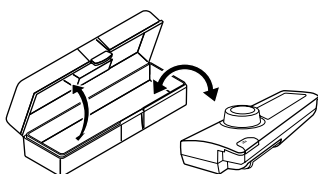
How to forcibly eject a disc

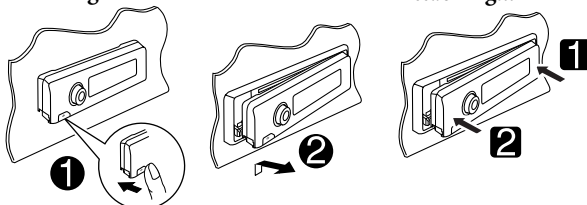"PLEASE" and "EJECT" appear alternately on the display.

- *If this does not work, reset your unit.*
- *Be careful not to drop the disc when it ejects.*

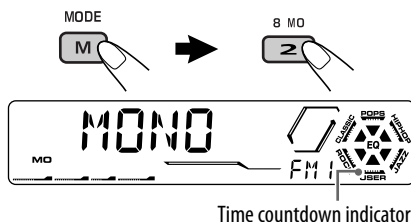### How to use the M MODE button

If you press M MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.
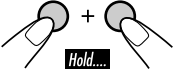
Ex.: When number button 2 works as MO (monaural) button.

Time countdown indicator

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

How to detach/attach the control panel

Detaching...   **Attaching...**

■ How to read this manual

- Button operations are mainly explained with the illustrations in the table below.
- Some related tips and notes are explained in "More about this unit" (see pages 16 and 17).

	Press briefly.
	Press repeatedly.
	Press either one.
Hold...	Press and hold until your desired response begins.
+ Hold...	Press and hold both buttons at the same time.

The following marks are used to indicate...

[○□] : Built-in CD player operations.

[▤ │] : External CD changer operations.

⬭ : Indicator displayed for the corresponding operation.

CONTENTS

Warning:

If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.

Caution on volume setting:

Discs produce very little noise compared with other sources. Lower the volume before playing a disc to avoid damaging the speakers by the sudden increase of the output level.

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

Parts identification
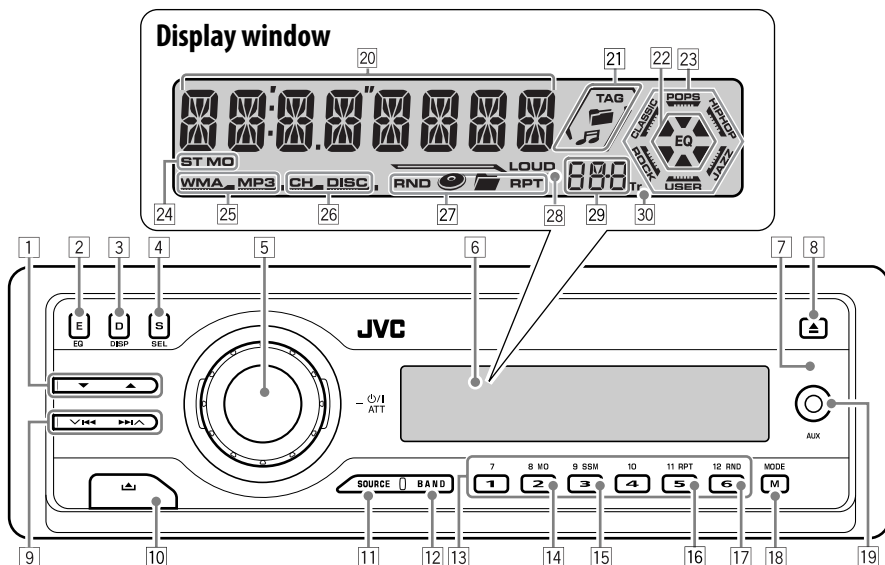
Display window

1. ▲ (up) / ▼ (down) buttons
2. E EQ (equalizer) button
3. D DISP (display) button
4. S SEL (select) button
5. • Control dial
   • ⏻/I ATT (standby/on attenuator) button
6. Display window
7. Remote sensor
   • *DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).*
8. ⏏ (eject) button
9. ∨ |◄◄/►►| ∧ buttons
10. 📤 (control panel release) button
11. SOURCE button
12. BAND button
13. Number buttons
14. MO (monaural) button
15. SSM (Strong-station Sequential Memory) button
16. RPT (repeat) button
17. RND (random) button
18. M MODE button
19. AUX (auxiliary) input jack

Display window

20. Main display
21. Disc information indicators—TAG (ID3 Tag), 📁 (folder), ♪ (track/file)
22. EQ (equalizer) indicator
23. Sound mode (C-EQ: custom equalizer) indicators—ROCK, CLASSIC, POPS, HIP HOP, JAZZ, USER
    • ▰▰▰ *also works as the time countdown indicator and level meter during play (see page 13).*
24. Tuner reception indicators—ST (stereo), MO (monaural)
25. Disc type indicators—WMA, MP3
26. Playback source indicators—
    CH: *Lights up only when CD-CH is selected as the playback source.*
    DISC: *Lights up for the built-in CD player.*
27. Playback mode / item indicators—
    RND (random), ● (disc), 📁 (folder), RPT (repeat)
28. LOUD (loudness) indicator
29. Source display / Volume level indicator
30. Tr (track) indicator

Remote controller — *RM-RK50*

## ▮ Installing the lithium coin battery (CR2025)
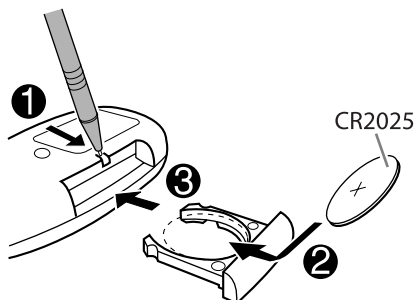
CR2025

Aim the remote controller directly at the remote sensor on the unit. Make sure there is no obstacle in between.


Warning:

- Do not install any battery other than CR2025 or its equivalent; otherwise, it may explode.
- Store the battery in a place where children cannot reach to avoid risk of accident.
- To prevent the battery from over-heating, cracking, or starting a fire:
  – Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
  – Do not leave the battery with other metallic materials.
  – Do not poke the battery with tweezers or similar tools.
  – Wrap the battery with tape and insulate when throwing away or saving it.

Caution:
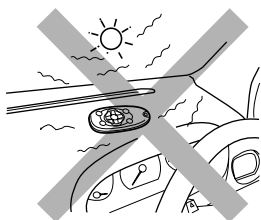
Main elements and features
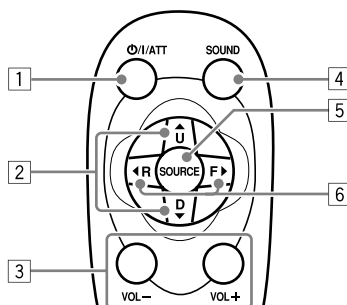
1 ⏻/I/ATT (standby/on/attenuator) button
- Turns the power on if pressed briefly or attenuates the sound when power is on.
- Turns the power off if pressed and held.

2 ▲ U (up) / D (down) ▼ buttons
- Changes the FM/AM bands with ▲ U only.
- Changes the preset stations with D ▼ only.
- Changes the folder of the MP3/WMA discs.
- While playing an MP3 disc on an MP3-compatible CD changer:
  – Changes the disc if pressed briefly.
  – Changes the folder if pressed and held.

3 VOL – / VOL + buttons
- Adjusts the volume level.

4 SOUND button
- Selects the sound mode (C-EQ: custom equalizer).

5 SOURCE button
- Selects the source.

6 ◄ R (reverse) / F (forward) ► buttons
- Searches for stations if pressed briefly.
- Fast-forwards or reverses the track if pressed and held.
- Changes the tracks of the disc if pressed briefly.

Getting started

Basic operations

➊ **Turn on the power.**

➋
SOURCE

→ FM1/FM2/FM3/AM → CD*
⌐ AUX IN ← CD-CH* (or EXT IN) ←
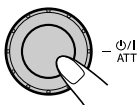
- Select "CD-CH" when using an Apple iPod® or a JVC D. player (see page 15).

  iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

- * *You cannot select these sources if they are not ready.*

➌ **For FM/AM tuner**

BAND
→ FM1 → FM2 → FM3 ⌐
⌐ AM ←

➍ **Adjust the volume.**

+
–
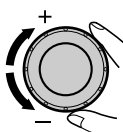
Volume level appears.

`VOL 20`

Volume level indicator

➎ **Adjust the sound as you want. (See pages 11 and 12.)**

To drop the volume in a moment (ATT)
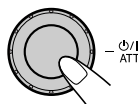
To restore the sound, press it again.

– ⏻/I
ATT

To turn off the power

– ⏻/I
ATT
Hold....
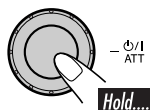
Basic settings

- See also "General settings — PSM" on pages 12 and 13.

1
S
SEL *Hold....*

2
∨ ⏮   ⏭ ∧
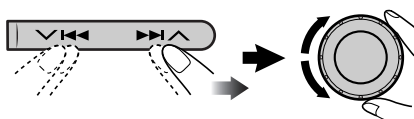
① **Canceling the display demonstrations**
Select "DEMO," then "DEMO OFF."
② **Setting the clock**
Select "CLOCK H" (hour), then adjust the hour.
Select "CLOCK M" (minute), then adjust the minute.

3 Finish the procedure.
S
SEL

To check the current clock time when the power is turned off

D
DISP

6

Radio operations
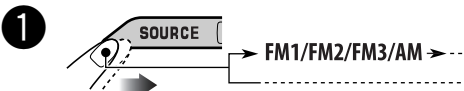
Lights up when receiving an FM stereo broadcast with sufficient signal strength.
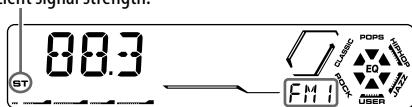
Selected band appears.

❸ **Start searching for a station.**
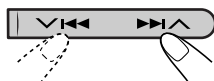
When a station is received, searching stops.
To stop searching, press the same button again.

To tune in to a station manually

In step ❸ above...

①
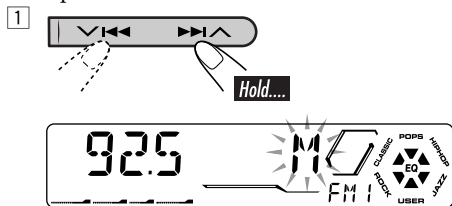
② **Select the desired station frequencies.**
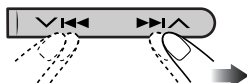
When an FM stereo broadcast is hard to receive
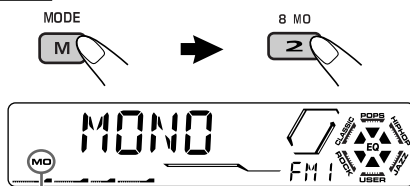
Lights up when monaural mode is activated.

Reception improves, but stereo effect will be lost.

To restore the stereo effect, repeat the same procedure. "MONO OFF" appears and the MO indicator goes off.

Storing stations in memory

You can preset six stations for each band.

FM station automatic presetting— SSM (Strong-station Sequential Memory)

1 **Select the FM band (FM1 – FM3) you want to store into.**

2

3

"SSM" flashes, then disappears when automatic presetting is over.

Local FM stations with the strongest signals are searched and stored automatically in the FM band.

7

Manual presetting

Ex.: Storing FM station of 92.5 MHz into preset number 4 of the FM1 band.

1

BAND

→ FM1 → FM2 → FM3
AM ←

2

∨ |◄◄   ►►| ∧

92.5

3

10
4

Hold....

Preset number flashes for a while.
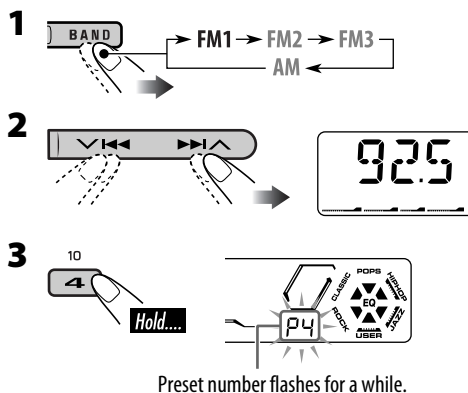
Listening to a preset station

1

BAND

→ FM1 → FM2 → FM3
AM ←

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

7   8 MO   9 SSM   10   11 RPT   12 RND
1   **2**   **3**   **4**   **5**   **6**

or

▼   ▲
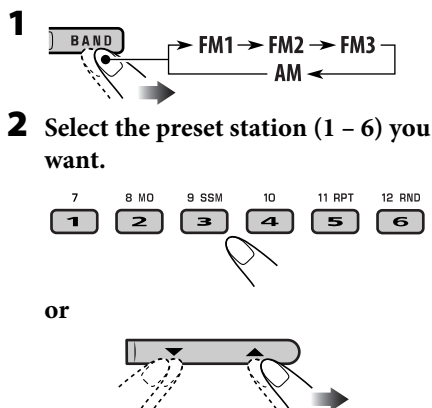
To check the other information while listening to an FM or AM station

D.
DISP

Clock → Station name* → Frequency →
(back to the beginning)

* *If no title is assigned to a station, "NO NAME" appears. To assign a title to a station, see page 14.*

Disc operations

Playing a disc in the unit ▬▬▬

❷

❶

▲
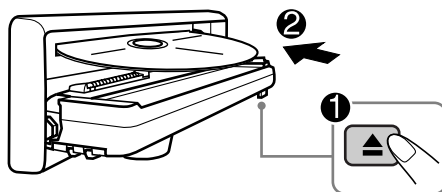
All tracks will be played repeatedly until you change the source or eject the disc.

To stop play and eject the disc

▲

Playing discs in the CD changer ▬▬

All discs in the magazine will be played repeatedly until you change the source.
• Ejecting the magazine will also stop playing.

❶

SOURCE

→ CD-CH* (or EXT IN) → ‒‒
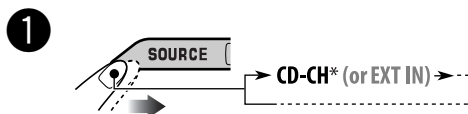
* *If you have changed "EXT IN" setting to "EXT IN" (see page 13), you cannot select the CD changer.*
See also page 15 when using an iPod or JVC D. player.

❷ Select a disc.

For disc number from 01 – 06:

7   8 MO   9 SSM   10   11 RPT   12 RND
1   **2**   **3**   **4**   **5**   **6**

For disc number from 07 – 12:

7   8 MO   9 SSM   10   11 RPT   12 RND
1   **2**   **3**   **4**   **5**   **6**

Hold....
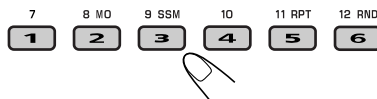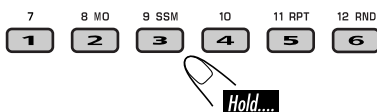
About MP3 and WMA discs

MP3 and WMA "tracks" (words "file" and "track" are used interchangeably) are recorded in "folders."

About the CD changer

It is recommended to use a JVC MP3-compatible CD changer with your unit.

- You can also connect other CH-X series CD changers (except CH-X99 and CH-X100). These units are not compatible with MP3 discs.
- You cannot play any WMA disc in the CD changer.
- You cannot use the KD-MK series CD changers with this unit.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.

To fast-forward or reverse the track

To go to the next or previous tracks
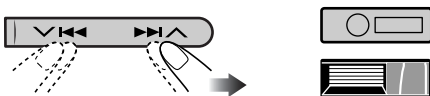
To go to the next or previous folders (only for MP3 or WMA discs)

For MP3 discs:

For WMA discs:
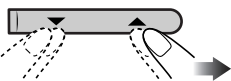
To locate a particular track (for CD) or folder (for MP3 or WMA discs) directly

To select a number from 01 – 06:
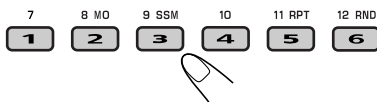
To select a number from 07 – 12:
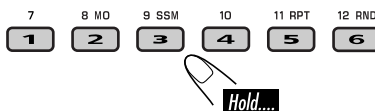
- To use folder search on MP3/WMA discs, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names—01, 02, 03, and so on.

- To select a particular track in a folder (for MP3 or WMA disc):

9
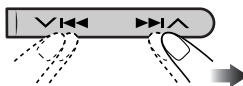
Other main functions

▐ Skipping a track quickly during play

 Only possible on JVC MP3-compatible CD changer

- For MP3 or WMA disc, you can skip a track within the same folder.

Ex.: To select track 32 while playing track 6

1 MODE
M

2 ▲ → Track 1 to 9 → Track 10 ···· 30 ← 20
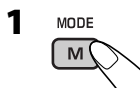
Each time you press the button, you can skip 10 tracks.
- After the last track, the first track will be selected and vice versa.

3 ▶▶▲ → Track 31 → 32 → ·····

▐ Prohibiting disc ejection

You can lock a disc in the loading slot.

SOURCE + ─⏻/ATT
Hold....

NO EJECT
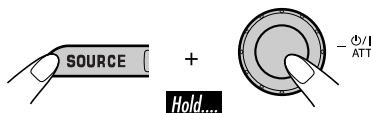
To cancel the prohibition, repeat the same procedure.

EJECT OK
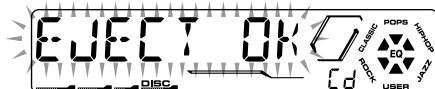
Changing the display information

DISP

▐ While playing an audio CD or a CD Text

A → Disc title / performer*1
↓
B ← Track title*1 🎵

▐ While playing an MP3 or WMA*2 disc

- **When "TAG DISP" is set to "TAG ON" (see page 13)**

A → Album name / performer (folder name*3) TAG📁
↓
B ← Track title (file name*3) TAG🎵
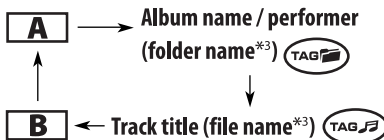
- **When "TAG DISP" is set to "TAG OFF"**

A → Folder name 📁
↓
B ← File name 🎵
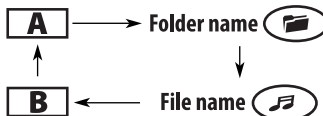
A : **Clock with the current track number**
B : **Elapsed playing time with the current track number**

*1 *If the current disc is an audio CD, "NO NAME" appears.*
*2 *Only for the built-in CD player.*
*3 *If an MP3/WMA file does not have ID3 tags, folder name and file name appear. In this case, the TAG indicator will not light up.*

Selecting the playback modes

You can use only one of the following playback modes at a time.

1 MODE
M

2 **Select your desired playback mode.**

■ **Repeat play**

11 RPT
5
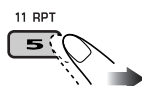
Mode	Plays repeatedly
TRK RPT	: The current track. (RPT)
FLDR RPT[1]	: All tracks of the current folder. (📁)(RPT)
DISC RPT[2]	: All tracks of the current disc. (💿)(RPT)
RPT OFF	: Cancels.

■ **Random play**

12 RND
6
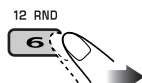
Mode	Plays at random
FLDR RND[1]	: All tracks of the current folder, then tracks of the next folder and so on. (RND)(📁)
DISC RND	: All tracks of the current disc. (RND)(💿)
MAG RND[2]	: All tracks of the inserted discs. (RND)
RND OFF	: Cancels.

[1] *Only while playing an MP3 or WMA disc.*
[2] *Only while playing discs in the CD changer.*

Sound adjustments

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

E → USER → ROCK → CLASSIC
EQ ← JAZZ ← HIP HOP ← POPS ←

Indication (For)	Preset values BAS (bass)	TRE (treble)	LOUD (loudness)
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	–02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

Adjusting the sound

You can adjust the sound characteristics to your preference.

1 S → BAS → TRE → FAD
SEL ← VOL ← LOUD ← BAL ←

2
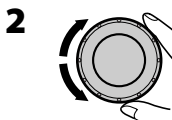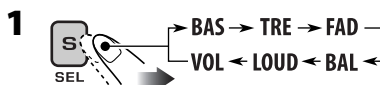
Indication pattern changes as you adjust the level.

TRE +06
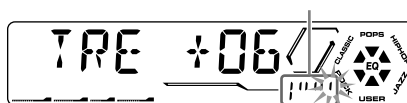
Ex.: When "TRE" is selected

To be continued...

BAS*1 (bass)
Adjust the bass. [–06 to +06]

TRE*1 (treble)
Adjust the treble. [–06 to +06]

FAD*2 (fader)
Adjust the front and rear speaker balance.
[R06 to F06]

BAL (balance)
Adjust the left and right speaker balance.
[L06 to R06]

LOUD*1 (loudness)
Boost low and high frequencies to produce
a well-balanced sound at low volume level.
[LOUD ON or LOUD OFF]

VOL (volume)
Adjust the volume. [00 to 30 or 50*3]

*1 *When you adjust the bass, treble, or loudness,*
   the adjustment you have made is stored for
   the currently selected sound mode (C-EQ)
   including "USER."
*2 *If you are using a two-speaker system, set the*
   fader level to "00."
*3 *Depending on the amplifier gain control*
   setting. (See page 13 for details.)

General settings — PSM

You can change PSM (Preferred Setting Mode)
items listed in the table that follows.

1

2 Select a PSM item.

Ex.: When you select "DIMMER"

3 Adjust the PSM item selected.

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

5 Finish the procedure.

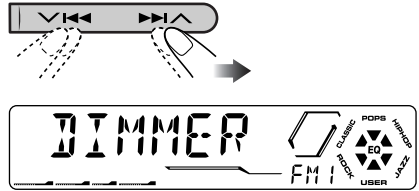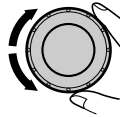| Indications	Selectable settings, [reference page]	
DEMO Display demonstration	**DEMO ON**	: *[Initial]*; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [6].
	DEMO OFF	: Cancels.
CLOCK H Hour adjustment	1 – 12, [6] *[Initial: 1 (1:00)]*	
CLOCK M Minute adjustment	00 – 59, [6] *[Initial: 00 (1:00)]*	
LEVEL Audio level meter	**ON** **OFF**	: *[Initial]*; Activates the audio level indicator. : Cancels; sound mode indicator is shown.
DIMMER Dimmer	**AUTO**	: *[Initial]*; Dims the display when you turn on the headlights.
	ON **OFF**	: Activates dimmer. : Cancels.
SCROLL*1 Scroll	**ONCE** **AUTO** **OFF**	: *[Initial]*; Scrolls the disc information once. : Repeats scrolling (5-second intervals in between). : Cancels.
	• Pressing D DISP for more than one second can scroll the display regardless of the setting.	
EXT IN*2 External input	**CHANGER**	: *[Initial]*; To use a JVC CD changer, [8], an Apple iPod or a JVC D. player, [15].
	EXT IN	: To use another external component, [15].
AUX ADJ Auxiliary input level adjustment	**A.ADJ 00 – A.ADJ 05:** Adjust the auxiliary input level to avoid the sudden increase of the output level when changing the source from external component connected to the AUX input jack on the control panel. *[Initial: A.ADJ 00]*	
TAG DISP Tag display	**TAG ON**	: *[Initial]*; Shows the ID3 tag while playing MP3/WMA tracks, [10].
	TAG OFF	: Cancels.
AMP GAIN Amplifier gain control	You can change the maximum volume level of this unit.	
	LOW PWR	: VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from damaging the speaker.)
	HIGH PWR	: *[Initial]*; VOL 00 – VOL 50

*1 *Some characters or symbols will not be shown correctly (or will be blanked) on the display.*

*2 *Displayed only when one of the following sources is selected—FM, AM, CD, or AUX IN.*

Title assignment

You can assign titles to station frequencies and CDs (both in the unit and the CD changer).

Sources	Maximum number of characters
FM/AM tuner	Up to 8 characters (up to 30 station frequencies including both FM and AM)
CDs/CD-CH	Up to 32 characters (up to 30 discs)

* *You cannot assign a title to a CD Text or an MP3/WMA disc.*

1 Select the sources.
- For FM/AM tuner: Tune into a station.
- For CDs in this unit: Insert a CD.
- For CDs in the CD changer: Select "CD-CH," then select a disc number.

2 Enter the title assignment mode.
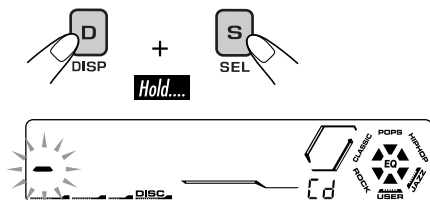
Ex.: When you select "CD" as the source

3 Assign a title.
1 Select a character.
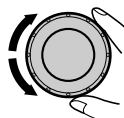
A	B	C	D	E	F	G	H	I	J	K	L	M	N
O	P	Q	R	S	T	U	V	W	X	Y	Z	0	1
2	3	4	5	6	7	8	9	−	/	<	>	space	

2 Move to the next (or previous) character position.
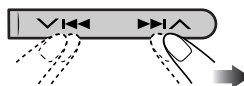
3 Repeat steps 1 and 2 until you finish entering the title.

4 Finish the procedure.

To erase the entire title
In step **2** on the left...

External component operations

You can connect an external component to...
- CD changer jack on the rear using:
  – Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied) for any other components (except iPod and D. player).
  – Interface adapter for iPod®—KS-PD100 (not supplied) for controlling iPod.
  – D. player interface adapter—KS-PD500 (not supplied) for controlling D. player.
- AUX (auxiliary) input jack on the control panel.

For connection, see Installation/Connection Manual (separate volume).

Connecting an external component to the AUX input jack

Stereo mini plug

Portable MD player, etc.
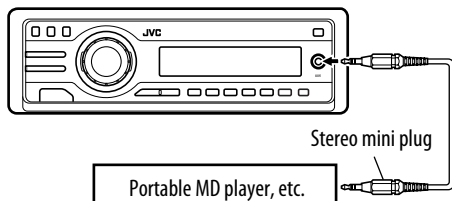
❶ **For selecting the external component connected to...**
- **AUX input jack**

SOURCE → **AUX IN**
CD-CH (or EXT IN) ←
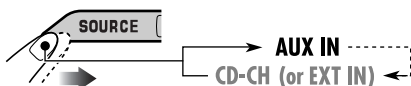
- **CD changer jack on the rear using KS-U57 or KS-U58**
  If "EXT IN" does not appear, see page 13 and select the external input ("EXT IN").

SOURCE → **EXT IN (or CD-CH)** →
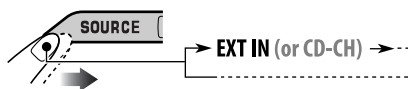
- **CD changer jack on the rear using interface adapter for iPod— KS-PD100 or for D. player— KS-PD500**

SOURCE → **CD-CH (or EXT IN)** →
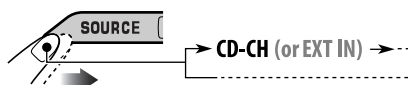
❷ **Turn on the connected component and start playing the source.**

❸ **Adjust the volume.**
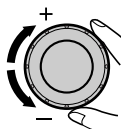
❹ **Adjust the sound as you want. (See pages 11 and 12.)**

To check the other information while listening to an external component

Clock ←→ AUX IN, EXT IN, or CD-CH*

* See "While playing an MP3 or WMA disc" on page 10 for details.

15

More about this unit

Basic operations

Turning on the power

- By pressing SOURCE on the unit, you can also turn on the power. If the source is ready, playback also starts.

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.

Selecting the sources

- When no disc is loaded in the unit, "CD" cannot be selected.
- "CD-CH" cannot be selected when the target component is not connected.

Tuner operations

Storing stations in memory

- During SSM search...
  – All previously stored stations are erased and stations are stored newly.
  – Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  – When SSM is over, the station stored in No. 1 will be automatically tuned in.
- When storing a station manually, a previously preset station is erased when a new station is stored in the same preset number.

Disc operations

Caution for DualDisc playback

- The Non-DVD side of a "DualDisc" does not comply with the "Compact Disc Digital Audio" standard. Therefore, the use of Non-DVD side of a DualDisc on this product may not be recommended.

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA formats.
- When a disc has been loaded, selecting "CD" for the playback source starts disc play.

Inserting a disc

- When a disc is inserted upside down, "PLEASE" and "EJECT" appear alternately on the display. Press ⏏ to eject the disc.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc

- While fast-forwarding or reversing on an MP3 or WMA disc, you can only hear intermittent sounds.

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back only the files of the same type which is first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, and for the following causes:
  – Discs are dirty or scratched.
  – Moisture condensation occurs on the lens inside the unit.
  – The pickup lens inside the unit is dirty.
  – CD-R/CD-RW on which the files are written with "Packet Write" method.
  – There are improper recording conditions (missing data, etc.) or media conditions (stain, scratch, warp, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.

- Do not use the following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.

  Using these discs under high temperatures or high humidities may cause malfunctions or damages to the unit.

Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and ID3 Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  – Bit rate: 8 kbps — 320 kbps
  – Sampling frequency:
    48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
    24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
  – Disc format: ISO 9660 Level 1/ Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo*: up to 128 (72) characters
  – Joliet*: up to 64 (36) characters
  – Windows long file name*: up to 128 (72) characters
  * *The parenthetic figure is the maximum number of characters for file/folder names in case the total number of files and folders is 313 or more.*
- This unit can play back the files recorded in VBR (variable bit rate).
  The files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.

- This unit can recognize the total of 512 files, of 200 folders, and of 8 hierarchies.
- This unit cannot play back the following files:
  – MP3 files encoded with MP3i and MP3 PRO format.
  – MP3 files encoded in an unappropriated format.
  – MP3 files encoded with Layer 1/2.
  – WMA files encoded with lossless, professional, and voice format.
  – WMA files which are not based upon Windows Media® Audio.
  – WMA files copy-protected with DRM.
  – Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select "CD" for the playback source, disc play starts from where it has been stopped previously.

Ejecting a disc

- If the ejected disc is not removed within 15 seconds, the disc is automatically inserted again into the loading slot to protect it from dust. (Disc will not play this time.)

General settings—PSM

- If you change the "AMP GAIN" setting from "HIGH PWR" to "LOW PWR" while the volume level is set higher than "VOL 30," the unit automatically changes the volume level to "VOL 30."

Other main functions

- If you try to assign a title to a 31st disc or to the 31st station frequency, "NAMEFULL" flashes on the display. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you playback the disc from the unit.

Maintenance

How to clean the connectors

Frequent detachment will deteriorate the connectors.
To minimize this possibility, periodically wipe the connectors with a cotton swab or cloth moistened with alcohol, being careful not to damage the connectors.
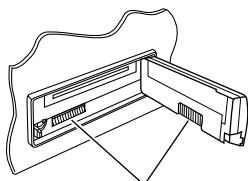
Connector

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 disc and leave the unit turned on for a few hours until the moisture evaporates.

How to handle discs

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

Center holder

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

To keep discs clean

A dirty disc may not play correctly. If a disc does become dirty, wipe it with a soft cloth in a straight line from center to edge.
• Do not use any solvent (for example, conventional record cleaner, spray, thinner, benzine, etc.) to clean discs.
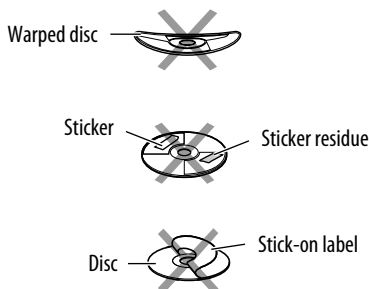
To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.
To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Warped disc

Sticker — Sticker residue

Disc — Stick-on label

Troubleshooting

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

	Symptoms	Remedies/Causes
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
Disc playback	• Disc cannot be played back.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can be neither played back nor ejected.	• Unlock the disc (see page 10). • Eject the disc forcibly (see page 2).
	• Disc sound is sometimes interrupted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
MP3/WMA playback	• Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	• Noise is generated.	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)

To be continued...

	Symptoms	Remedies/Causes
MP3/WMA playback	• A longer readout time is required ("CHECK" keeps flashing on the display).	Do not use too many hierarchies and folders.
	• Tracks do not play back in the order you have intended them to play.	Playback order is determined when the files are recorded.
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.
	• "NO FILES" appears on the display.	Insert a disc that contains MP3/WMA tracks.
	• Correct characters are not displayed (e.g. album name).	This unit can only display alphabets (upper case), numbers, and a limited number of symbols.
CD changer	• "NO DISC" appears on the display.	Insert a disc into the magazine.
	• "NO MAG" appears on the display.	Insert the magazine.
	• "RESET 8" appears on the display.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• "RESET 1" – "RESET 7" appears on the display.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	Reset the unit (see page 2).

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Specifications

■ 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-Out Level/Impedance:
    2.5 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Other Terminals:
    CD changer, AUX (auxiliary) input jack

■ TUNER SECTION

Frequency Range:
    FM: 87.5 MHz to 108.0 MHz
    AM: 531 kHz to 1 602 kHz

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:
            16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 35 dB
Capture Ratio: 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
MP3 Decoding Format:
    MPEG1/2 Audio Layer 3
    Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding
Format:
    Max. Bit Rate: 192 kbps

■ GENERAL

Power Requirement:
    Operating Voltage:
        DC 14.4 V (11 V to 16 V allowance)
Grounding System: Negative ground
Allowable Operating Temperature:
    0°C to +40°C
Dimensions (W × H × D):
    Installation Size (approx.):
        182 mm × 52 mm × 150 mm
    Panel Size (approx.):
        188 mm × 58 mm × 11 mm
Mass (approx.):
    1.5 kg (excluding accessories)

Design and specifications are subject to change
without notice.

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

JVC

EN

0905DTSMDTJEIN