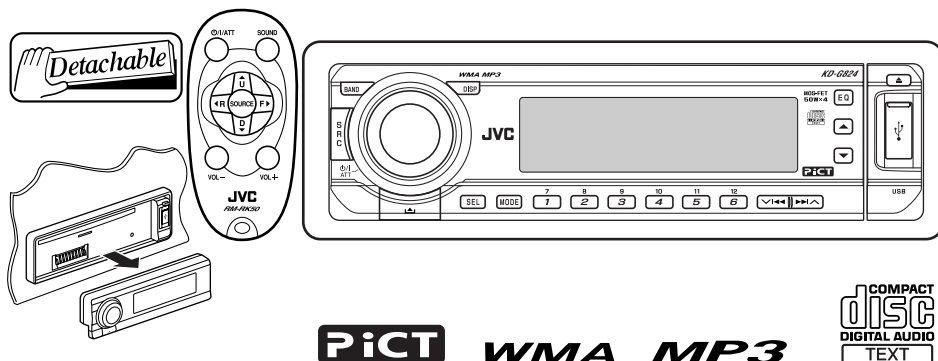


JVC



CD RECEIVER

KD-G824



PiCT

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

GET0361-001A
[U]

Thank you for purchasing a JVC product.

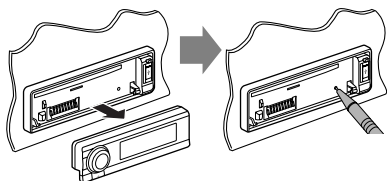
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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.	ADVARSEL: Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til stråling.	VARNING: Synlig og usynlig laserstråling når den åbnes og spåren er urkoppet. Betrakta ej strålen.	VARO: Avattaessa ja suojalukitus ohjeltuna tai viallisena olet alttiina näkyvälle ja näkymättömälle lasersäteilylle. Vältä säteen kohdistumista suoraan itseesi.
(e)	(e)	(d)	(s)

How to reset your unit

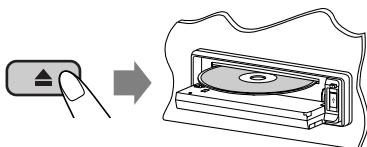


Your preset adjustments will also be erased.

How to forcibly eject a disc



“Please Eject” appears on the display.

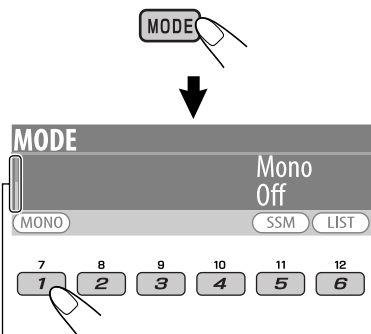


- If this does not work, reset your unit.
- Be careful not to drop the disc when it ejects.

How to use the MODE/SEL button

If you use MODE or SEL (select), the display and some controls (such as the number buttons, \blacktriangleleft \blacktriangleright \blacktriangle \blacktriangledown buttons, \blacktriangle \blacktriangledown buttons, and the control dial) enter the corresponding control mode.

Ex.: When you press number button 1 after pressing MODE, to operate the FM tuner.



Works as time countdown indicator.

To use these controls for original functions again, wait for 15 seconds without pressing any of these buttons until the control is cleared.



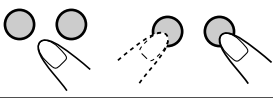

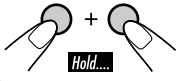
- Pressing MODE again also restores original functions. However, pressing SEL makes the unit enters a different mode.

Caution:

If the temperature inside the car is below 0°C, the movement of animation and text scroll will be halted on the display to prevent the display from being blurred. **LowTEMP** appears on the display. When the temperature increases, and the operating temperature is resumed, these functions will start working again.

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 27 – 31).

	Press briefly.
	Press repeatedly.
	Press either one.
	Press and hold until your desired response begins.
	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.

 : External USB memory operations.

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.

CONTENTS

Control panel	4
Remote controller — RM-RK50	5
Getting started	6
Basic operations	6
Radio operations	7
Disc/USB memory operations	9
Playing a disc in the unit	9
Playing discs in the CD changer	9
Playing a USB memory	10
Sound adjustments	14
General settings — PSM	16
Title assignment	24
iPod®/D. player operations	24
Other external component operations	26
More about this unit	27
Maintenance	31
Troubleshooting	32
Specifications	35

For safety...

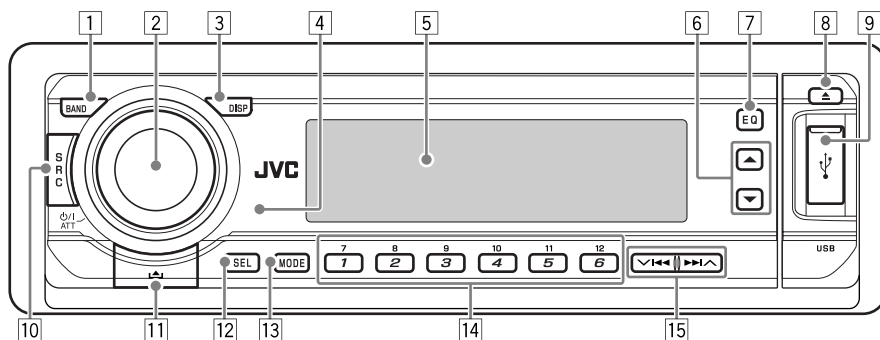
- Do not raise the volume level too much, as this will block outside sounds, making driving dangerous.
- Stop the car before performing any complicated operations.

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

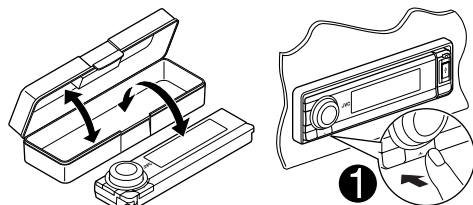
Parts identification



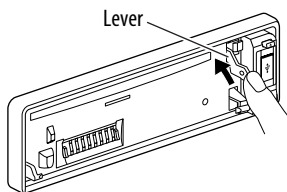
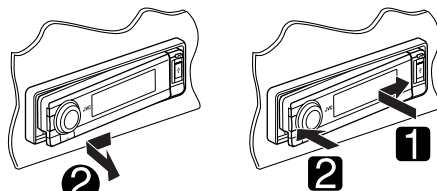
- | | |
|---------------------------------------------------------------------------------------------|---------------------------------------------|
| 1 BAND button | 7 EQ (equalizer) button |
| 2 • Control dial | 8 ▲ (eject) button |
| • Φ /I ATT (standby/on attenuator) button | 9 USB (Universal Serial Bus) input terminal |
| 3 DISP (display) button | 10 SRC (source) button |
| 4 Remote sensor | 11 (control panel release) button |
| • DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting). | 12 SEL (select) button |
| 5 Display window | 13 MODE button |
| 6 ▲ (up) / ▼ (down) buttons | 14 Number buttons |
| | 15 buttons |

How to detach/attach the control panel

Detaching...



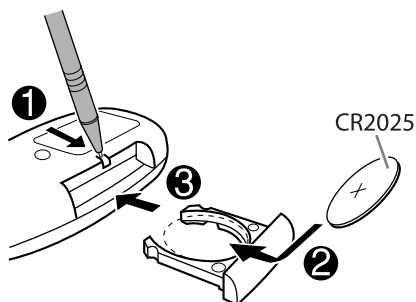
Attaching...



CAUTION:

The lever comes out if you pressed the ▲ button while the panel is detached. If this happens, push the lever back into lock position before attaching the panel.

Installing the lithium coin battery (CR2025)

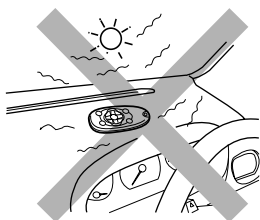


Aim the remote controller directly at the remote sensor on the unit. Make sure there is no obstacle in between.

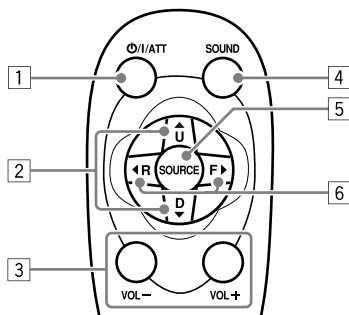
Warning:

- 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 the power is on.
 - Turns the power off if pressed and held.
- 2 **▲ U (up) / D (down) ▼** buttons
 - Changes the FM/AM bands with **▲ U**.
 - Changes the preset stations with **D ▼**.
 - Changes the folder of the MP3/WMA/USB.
 - While playing an MP3 disc on an MP3-compatible CD changer:
 - Changes the disc if pressed briefly.
 - Changes the folder if pressed and held.
 - While listening to an Apple iPod® or a JVC D. player:
 - Pauses/stops or resumes playback with **D ▼**.
 - Enters the main menu with **▲ U**. (Now **▲ U/D ▼/◀ R/F ▶** work as the menu selecting buttons.)*
- 3 **VOL - / VOL +** buttons
 - Adjusts the volume level.
- 4 **SOUND** button
 - Selects the sound mode (i-EQ: intelligent equalizer).

- * **▲ U**: Returns to the previous menu.
D ▼: Confirms the selection.

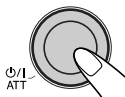
Continued on next page...

- 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 if pressed briefly.
 - While listening to an iPod or a D. player (in menu selecting mode):
 - Selects an item if pressed briefly. (Then, press D ▼ to confirm the selection.)
 - Skips 10 items at a time if pressed and held.

Getting started

Basic operations

- 1 Turn on the power.



2



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

- 3 For FM/AM tuner

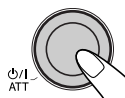


- 4 Adjust the volume.



- 5 Adjust the sound as you want. (See pages 14 – 16.)

To drop the volume in a moment (ATT)



To restore the sound, press it again.

To turn off the power



Basic settings

- See also “General settings — PSM” on pages 16 – 18.

1



2-1 Canceling the display demonstrations

Turn the control dial to set “Demo/Link” to “Off.”

2-2 Setting the clock

- 1 Press number button 4 (CLOCK). “Clock Hr” (hour) appears. Then, turn the control dial to adjust the hour.
- 2 Press ►►►▲ to select “Clock Min” (minute). Then, turn the control dial to adjust the minute.
- 3 Press ►►►▲ to select “24H/12H.” Then, turn the control dial to select “12Hours” or “24Hours,” time display mode.

- 3 Exit from the setting.



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



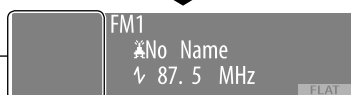
Changing the display pattern



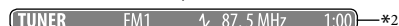
Ex.: When tuner is selected as the source



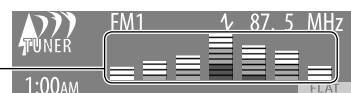
Source operation display



"SMALL" (CD jacket image) graphic*1 is displayed.



"LARGE" (full display size) graphic*1 is displayed.



Audio level meter is displayed (see "LevelMeter" on page 17).

Goes back to the initial display pattern.

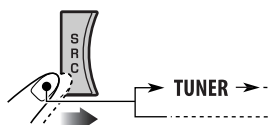
*1 You can use your edited file for graphic screen (see pages 19 – 22).

Depending on a downloaded file, it may take a longer time to show it on the display.

*2 The information bar will disappear if no operation is performed for five seconds.

Radio operations

1

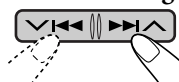


2



3

Start searching for a station.



Auto Search

When a station is received, searching stops.

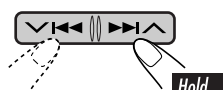
- When receiving an FM stereo broadcast with sufficient signal strength, **STEREO** lights up on the display.

To stop searching, press the same button again.

To tune in to a station manually

In step 3 above...

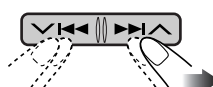
1



Manual Search

2

Select a desired station frequency.

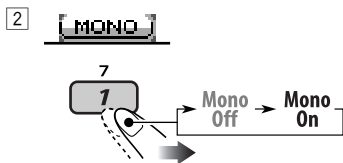


When an FM stereo broadcast is hard to receive

1



Continued on next page...



3 Exit from the setting.



MONO lights up on the display.

Reception improves, but stereo effect will be lost.

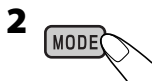
To restore the stereo effect, select “Mono Off” in step 2. **MONO** goes off.

Storing stations in memory

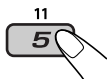
You can preset six stations for each band.

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

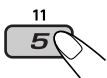
1 Select the FM band (FM1 – FM3) you want to store into.



3 Select “SSM.”



4

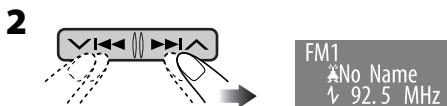
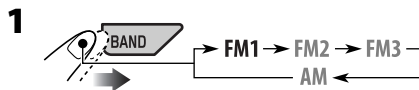


Local FM stations with the strongest signals are searched and stored automatically in the FM band.

Manual presetting

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

Using the number buttons



Using the Preset Station List

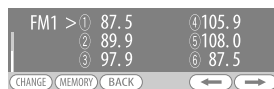
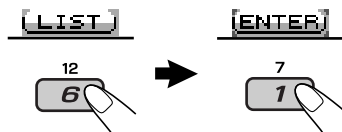
- When **BACK** appears on the display, you can move back to the previous display by pressing number button 3.

1 Follow steps 1 and 2 above.

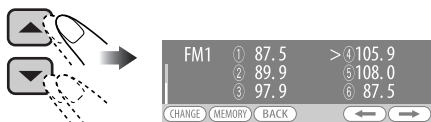
- By holding **▲** / **▼**, the Preset Station List will appear (go to step 4 on page 9).



3 Display the Preset Station List.



- 4** Select the preset number you want to store into.



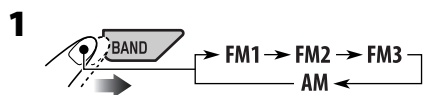
- You can move to the lists of the other FM bands by pressing number button 5 (←) or 6 (→) repeatedly.

- 5** Store the station.

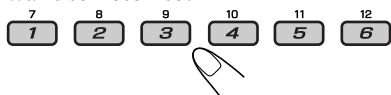


Listening to a preset station

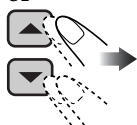
Using the number buttons



- 2** Select the preset station (1 – 6) you want to listen to.

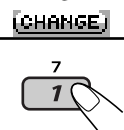


or



Using the Preset Station List

- 1** Display the Preset Station List, then select the preset station you want to listen to.

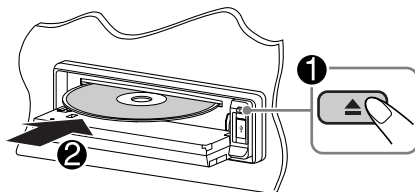


- 2** Change to the selected station.

Disc/USB memory operations

Playing a disc in the unit

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



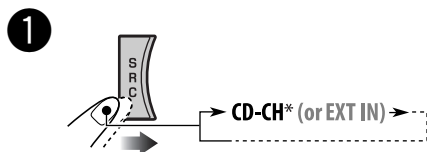
To stop playback and eject the disc



Playing discs in the CD changer

All discs in the magazine will be played repeatedly until you change the source.

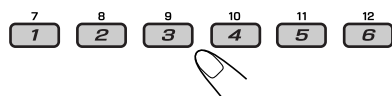
- Ejecting the magazine will also stop playback.



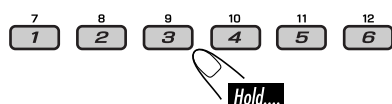
* If you have changed the external input setting to "Ext In" (see page 18), you cannot select the CD changer.

- 2** Select a disc.

For disc number from 01 – 06:



For disc number from 07 – 12:



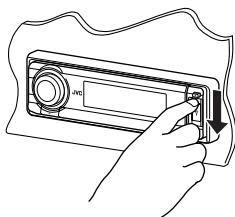
Playing a USB memory

This unit can play MP3/WMA tracks stored in a USB memory.

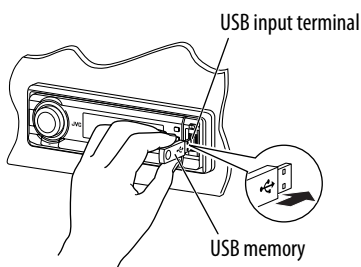
All tracks in the USB memory will be played repeatedly until you change the source.

- Removing the USB memory will also stop playback.

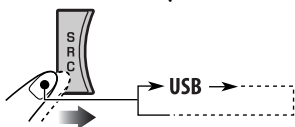
1



2



If a USB memory has been attached...



Playback starts from where it has been stopped previously.

- If a different USB memory is currently attached, playback starts from the beginning.

To detach the USB memory, straightly pull it out from the unit.

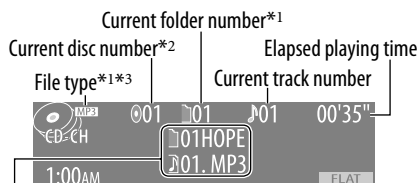
Cautions:

- Avoid using the USB memory if it might hinder your safety driving.
- Make sure all the important data has been backed up to avoid losing the data.

Track and folder information (CD/CD Text/MP3/WMA/USB)

Once you insert a disc or attach a USB memory, the total track number/total playing time (for CD/CD Text) and total folder number/total track number (for MP3/WMA/USB) appears, then the following information appears...

Ex.: When "CD-CH" is selected as the source



- For the audio CD or CD Text:
 Disc name*4 and Track name*5
- For the MP3/WMA/USB:
 Folder name and File name, or
 Album/performer*6 and Track name*6

- When playing CD changer, the total numbers will not appear.

*1 Displayed only when an MP3/WMA track is played back.

*2 Displayed only when "CD-CH" is selected as the source.

*3 Either MP3 or WMA indicator lights up depending on the detected file.

*4 Appears only for CD Texts and CDs if it has been recorded or assigned. ("No Name" appears if no name is recorded or assigned.)

*5 Appears only for CD Texts. ("No Name" appears if no name is recorded.)

*6 Appears only when "Tag" is set to "On" (see page 18).

About MP3 and WMA tracks

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



When an MP3/WMA folder in an MP3/WMA disc includes an image <jpg> file edited by Image Converter (Ver 3.0)—supplied in the CD-ROM, you can show the image on the display while the tracks in the folder are played back—Image Link. (See pages 17 and 29 for details.)

About the CD changer

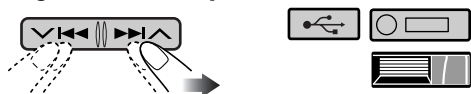
It is recommended to use a JVC MP3-compatible CD changer with your unit.

- You can also connect MP3-incompatible CD changers. These units, however, are not compatible with MP3 discs.
- You cannot use the CH-X99, CH-X100, and KD-MK series CD changers with this unit.
- You cannot play any WMA disc in the CD changer.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- For connection, see Installation/Connection Manual (separate volume).

To fast-forward or reverse the track



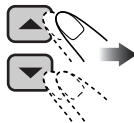
To go to the next or previous tracks



To go to the next or previous folders (only for MP3/WMA/USB)

For MP3 tracks:   

For WMA tracks:  



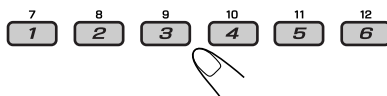
For the main unit:

- Holding either of the buttons can display the Folder List (see page 12).
- For CD changer:
- Holding either of the buttons can display the Disc List (see page 12).

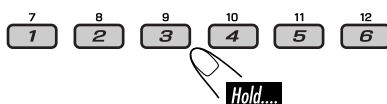
To locate a particular track (for CD) or folder (for MP3/WMA/USB) directly



To select a number from 01 – 06:

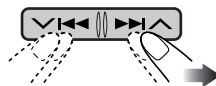


To select a number from 07 – 12:



- To use direct folder access on MP3/WMA/USB, 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/WMA/USB):



Other main functions

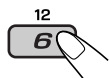
Selecting a disc/folder/track on the list



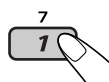
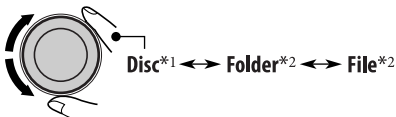
- When **[BACK]** appears on the display, you can move back to the previous display by pressing number button 3.



2 Select "LIST."



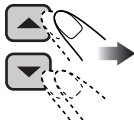
3 Select the list type.



*1 Selectable only when the source is "CD-CH."

*2 Selectable only when the media is MP3, WMA, or USB.

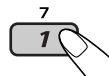
4 Select an item.



EX.: When "File" is selected in step 3

- You can move to the other lists by pressing number button 5 (**[←]**) or 6 (**[→]**) repeatedly.

5 Change to the selected item.



- The list disappears and playback starts.

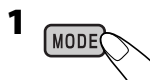
Skipping tracks quickly during play



**Only possible on JVC
MP3-compatible CD changer**

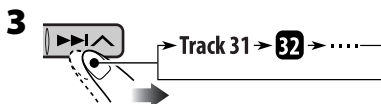
- For MP3/WMA/USB, you can skip tracks within the same folder.

Ex.: To select track 32 while playing a track whose number is a single digit (1 to 9).



Each time you press the button, you can skip 10 tracks.

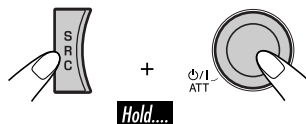
- After the last track, the first track will be selected and vice versa.



■ Prohibiting disc ejection



You can lock a disc in the loading slot.



- “No Eject” appears on the display.

To cancel the prohibition, repeat the same procedure.

- “Eject OK” appears on the display.

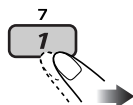
Selecting the playback modes

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



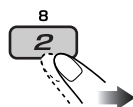
2 Select your desired playback mode.

■ Intro play



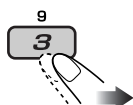
Mode	Plays beginning 15 seconds of...
Track:	All tracks of the current disc or USB memory [INTRO].
Folder*1:	First tracks of all folders [INTRO].
Disc*2:	First tracks of all the inserted discs [INTRO].
Off:	Cancels.

■ Repeat play



Mode	Plays repeatedly
Track:	The current track [REPEAT].
Folder*1:	All tracks of the current folder [REPEAT].
Disc*2:	All tracks of the current disc [REPEAT].
Off:	Cancels.

■ Random play



Mode	Plays at random
Folder*1:	All tracks of the current folder, then tracks of the next folder and so on [RANDOM].
Disc*3:	All tracks of the current disc [RANDOM].
All*4:	All tracks of the inserted discs or USB memory [ALL RANDOM].
Off:	Cancels.

*1 Only while playing a media (MP3/WMA/USB).

*2 Only while playing discs in the CD changer.

*3 Only while playing a disc.

*4 Only while playing discs in the CD changer or playing a USB memory.

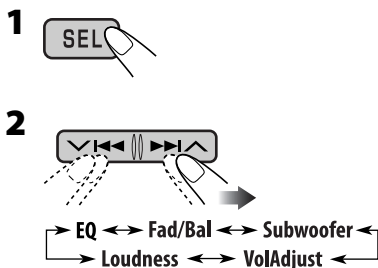
- You can also cancel the playback mode by pressing number button 4 ([OFF]) in step 2.

Sound adjustments

Adjusting the sound

You can adjust the sound characteristics to your preference.

- When **BACK** appears on the display, you can move back to the previous display by pressing number button 3.



- For “EQ” setting, see the following.

3 Adjust the selected setting item.

Ⓐ **Fad/Bal (Fader/Balance)**

- 1 Press number button 1 (**SELECT**) to move to the “Fad/Bal” adjustment display.
- 2 Adjust the speaker output balance by pressing:
 - ▲ / ▼: between the front and rear speakers. [F06 to R06]
 - ▼ | ◀▶ / ▶▶ | ▲: between the left and right speakers. [L06 to R06]

Ⓑ **Subwoofer**

- 1 Press number button 1 (**SELECT**) to move to the “Subwoofer” adjustment display.

- 2 Use ▼ | ◀▶ / ▶▶ | ▲ to select a cutoff frequency to the subwoofer.
 - 80Hz: Frequencies higher than 80 Hz are cut off.
 - 120Hz: Frequencies higher than 120 Hz are cut off.
 - 160Hz: Frequencies higher than 160 Hz are cut off.
- 3 Turn the control dial to adjust the subwoofer output level. [0 to 8]

Ⓒ **VolAdjust**

- Turn the control dial to adjust the input level of each source (except FM).
[-5 to +5]
Adjust to match the input level of the FM sound level.
- Before making an adjustment, select a source you want to adjust.

Ⓓ **Loudness**

- Turn the control dial to activate or deactivate the loudness to produce a well-balanced sound at low volume levels. [Off or On]

4 Exit from the setting.



Selecting preset sound modes (i-EQ: intelligent equalizer)

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

Available sound modes

FLAT (No sound mode is applied), **H.ROCK** (Hard rock), **R & B** (Rhythm & blues), **POP**, **JAZZ**, **DANCE**, **COUNTRY**, **REGGAE**, **CLASSIC**, **USER 1**, **USER 2**, **USER 3**



Storing your own sound modes

You can adjust the sound modes and store your own adjustments in memory.

- When **[BACK]** appears on the display, you can move back to the previous display by pressing number button 3.

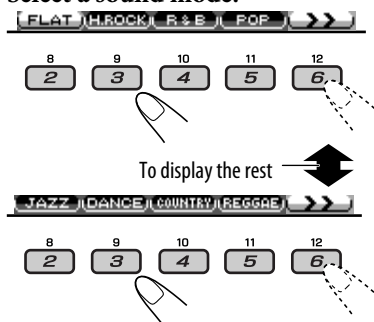


or

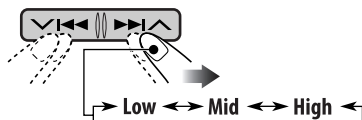
Follow steps 1 and 2 on page 14.

- In step 2, select "EQ."

2 Select a sound mode.



3 Select a frequency range.



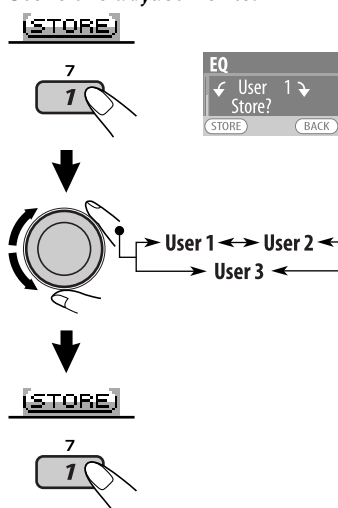
4 Adjust the sound elements of the selected frequency range.

- Use **▲** / **▼** to adjust the level.
- Press number button 2 (**[FREQ.]**), then turn the control dial to select the frequency.
- Press number button 2 (**[Q.]**), then turn the control dial to select the band width.

Sound elements	Range/selectable items		
	Low	Mid	High
Level	-06 to +06	-06 to +06	-06 to +06
FREQ (Frequency)	60 Hz 80 Hz 100 Hz 200 Hz	500 Hz 1 kHz 1.5kHz 2.5kHz	10 kHz 12.5kHz 15 kHz 17.5kHz
Q (Band width)	Q1.0 Q1.25 Q1.5 Q2.0	Q0.5 Q0.75 Q1.0 Q1.25	Fix

5 Repeat steps 3 and 4 to adjust other frequency ranges.

6 Store the adjustments.



The list below shows the preset value setting for each sound mode:

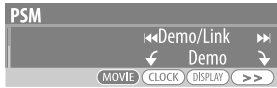
Sound modes	Preset values								
	Low			Mid			High		
	Level	FREQ (Frequency)	Q (Band width)	Level	FREQ (Frequency)	Q (Band width)	Level	FREQ (Frequency)	Q (Band width)
FLAT	00	60 Hz	Q1.25	00	1 kHz	Q1.25	00	10 kHz	Fix
H.ROCK	+03	100 Hz	Q1.0	00	1 kHz	Q1.25	+02	10 kHz	
R & B	+03	80 Hz	Q1.25	+01	1 kHz	Q1.25	+03	15 kHz	
POP	+02	100 Hz	Q1.25	+01	1 kHz	Q1.25	+02	10 kHz	
JAZZ	+03	80 Hz	Q1.25	00	1 kHz	Q1.25	+03	10 kHz	
DANCE	+04	60 Hz	Q1.0	-02	1 kHz	Q1.0	+01	10 kHz	
COUNTRY	+02	60 Hz	Q1.0	00	1 kHz	Q1.0	+02	12.5kHz	
REGGAE	+03	60 Hz	Q1.25	+02	1 kHz	Q1.25	+02	12.5kHz	
CLASSIC	+01	80 Hz	Q1.25	00	1 kHz	Q1.25	+03	10 kHz	

General settings — PSM

Basic procedure

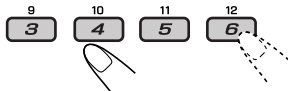
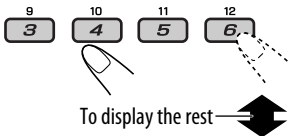
You can change PSM (Preferred Setting Mode) items listed in the table that follows.

1

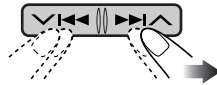


An item previously selected appears on the display.

2 Select a PSM category.



3 Select a PSM item.



- By pressing either of the buttons repeatedly, you can also move to the item of the other categories.

4 Adjust the selected PSM item.



5 Repeat steps 2 to 4 to adjust other PSM items if necessary.

6 Exit from the setting.



Category	Indications	Selectable settings, [reference page]
MOVIE	Demo/Link Display demonstration	Demo: [Initial]; Display demonstration will be activated automatically, [6]. Image Link: To show a still image while playing MP3/WMA tracks, [11, 29]. Off: Cancels. <ul style="list-style-type: none"> Still image appears if no operation is done for about 20 seconds.
	LevelMeter Audio level meter	You can select the different level meter patterns. Meter 1 [Initial] \supset Meter 2 <ul style="list-style-type: none"> Press DISP repeatedly to show the selected level meter.
	Pict Pictures	Download: [Initial]; Download files, [19]. Set: Activate the stored files, [22] Delete: Delete the stored files, [21].
CLOCK	Clock Hr Hour adjustment	1 – 12AM/1 – 12PM (0 – 23) , [6] [Initial: 1 (1:00AM)]
	Clock Min Minute adjustment	00 – 59 , [6] [Initial: 00 (1:00AM)]
	24H/12H Time display mode	12Hours – 24Hours , [6] [Initial: 12Hours]
DISPLAY	Scroll Scroll	Once: [Initial]; Scrolls the track information once. Auto: Repeats scrolling (5-second intervals). Off: Cancels. <ul style="list-style-type: none"> Pressing DISP for more than one second can scroll the display regardless of the setting.
	Dimmer Dimmer	Auto: [Initial]; Dims the display when you turn on the headlights. Off: Cancels. On: Activates dimmer. Time Set: Set the timer for dimmer, [22]. Any hour – Any hour From – To*₁: [Initial: 6PM – 7AM]
	Contrast Contrast	1 – 10: [Initial: 5]; Adjust the display contrast to make the display indications clear and legible.
	LCD Type Display type	Negative: [Initial]; Negative pattern of the display (except still images and animation). Auto: Positive pattern will be selected during the day time* ₂ ; while negative pattern will be used during the night time* ₂ . Positive: Positive pattern of the display.

*₁ Adjustable only when “Dimmer” is set to “Time Set.”

*₂ Depends on the “Dimmer” setting.

Continued on next page...

Category	Indications	Selectable settings, [reference page]	
DISPLAY	Font Type Font type	You can select the font type used on the display. 1 [Initial] \succeq 2	
	Tag Tag display	On:	[Initial]; Shows the Tag information display while playing MP3/WMA tracks, [10].
		Off:	Cancels.
TUNER	IF Band Intermediate frequency filter	Auto:	[Initial]; Increases the tuner selectivity to reduce interference noises between close stations. (Stereo effect may be lost.)
		Wide:	Subject to the interference noises from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.
AUDIO	Ext Input * ₃ External input	Changer:	[Initial]; To use a JVC CD changer, [9], an Apple iPod or a JVC D. player, [24].
		Ext In:	To use any other external component than the above, [26].
	Beep Key-touch tone	On:	[Initial]; Activates the key-touch tone.
		Off:	Deactivates the key-touch tone.
	Telephone Telephone muting	Muting1/Muting2: Select either one which mutes the sounds while using a cellular phone.	
		Off:	[Initial]; Cancels.
		• If CD, CD changer, or USB has been selected as the source, playback pauses during telephone muting.	
COLOR	Amp Gain Amplifier gain control	You can change the maximum volume level of this unit.	
		High PWR:	[Initial]; Volume 00 – Volume 50
		Low PWR:	Volume 00 – Volume 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from being damaged.)
	Color Sel Color selection	[Initial: All Source]; You can select your favorite display color for each source (or for all sources), [22].	
	Color Set	You can create your own colors, and select them for the display color, [23].	
		Day Color:	User color during the day time* ₄ .
		NightColor:	User color during the night time* ₄ .
	Red	+00 – +11 [Initial: Day Color: +07, NightColor: +05]	
	Green	+00 – +11 [Initial: Day Color: +07, NightColor: +05]	
	Blue	+00 – +11 [Initial: Day Color: +07, NightColor: +05]	

*₃ Displayed only when one of the following sources is selected—TUNER, CD, or USB.

*₄ Depends on the “Dimmer” setting.

Graphic displays

Before starting the following procedure, prepare a CD-R including still images (pictures) and animations (movies).

- With Image Converter (Ver 3.0) included in the supplied CD-ROM, you can create and download your own images and animations. (Samples are included in the CD-ROM.) These images/animation will be shown during playing a source.
- You can store “LARGE” or “SMALL” pictures and movies.
Picture: 30 still images each
Movie: 60 frames each

Basic procedure

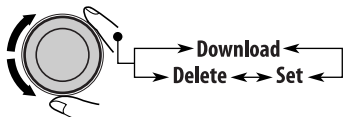
- When **[BACK]** appears on the display, you can move back to the previous display by pressing number button 3.
- When **[←] / [→]** appears on the display, you can move to the other lists by pressing number button 5 or 6 repeatedly.

1 Insert a CD-R or the supplied CD-ROM.

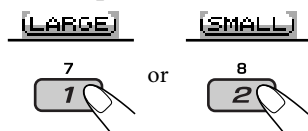
2 Follow steps 1 to 3 on page 16.

- In step 2, select “MOVIE.”
- In step 3, select “Pict.”

3 Select an item.



4 Select a picture size.



The display goes to the PICT menu.

- To download the file(s), see the following.
- To delete the file(s), see pages 20 and 21.
- To activate the file(s), see page 22.

IMPORTANT:

- Refer also to Image Converter PDF files included in the “Manual” folder on the supplied CD-ROM.
 - Still images (pictures) and animations (movie) should have the following extension code in their file names:
 - **jtl**: for large size still images
 - **jtm**: for small size still images
 - **jta**: for large size animations
 - **jtb**: for small size animations
 - **jtw**: for Image Link (see pages 11 and 17)
 - Before you download or delete the files, observe the following:
 - Do not download a file while driving.
 - Do not turn off the ignition key of the car while downloading or deleting a file.*
 - Do not detach the control panel while downloading or deleting a file.*
 - Do not attach or detach a USB memory while downloading a file.*
- * If you do so, the file download or deletion will not be done correctly.*

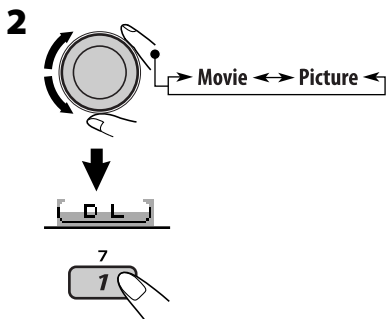
Downloading pictures or an animation

- It takes a long time to download an animation. For details, see page 30.
- To activate the downloaded files, see page 22.

1 Follow steps 2 to 4 on left column.

- In step 3, select “Download.”

Continued on next page...

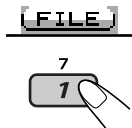


"File Check" flashes and then the Folder List appears on the display.

3 Select a folder.



4 Display the File List.



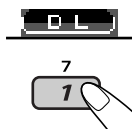
5 Select a file.



6 Confirm the selection.



7 Download the file.



- 8**
- To download more pictures from the same folder, repeat steps 5 to 7.
 - To download more pictures from another folder, press number button 3 (**BACK**). Then, repeat steps 3 to 7.

9 Exit from the setting.

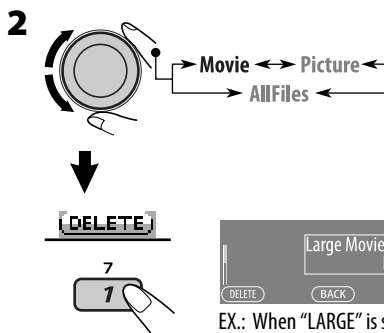


Deleting the files

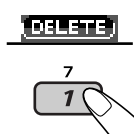
Deleting the stored animation

1 Follow steps 2 to 4 on page 19.

- In step 3, select "Delete."



3 Delete the animation.



4 Exit from the setting.

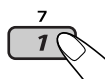
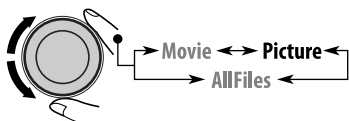


Deleting the stored pictures

1 Follow steps 2 to 4 on page 19.

- In step 3, select “Delete.”

2



The File List appears on the display.

3 • To delete one of the stored pictures

- 1 Use ▲ / ▼ to select a file. Then, press number button 1 (**DELETE**) to confirm the selection.



EX.: When “File1 Na” is selected

- 2 Press number button 1 (**DELETE**) to delete the selected file.
- 3 Repeat steps 1 and 2 to delete more pictures.

• To delete all the stored pictures

- 1 Press number button 2 (**ALL DEL**).



EX.: When “LARGE” is selected in step 4 on page 19

- 2 Press number button 1 (**DELETE**) to delete all the stored pictures.

4 Exit from the setting.

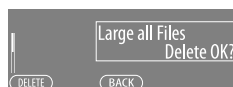
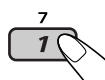
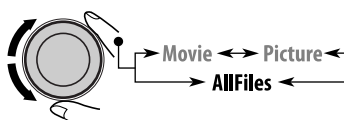


Deleting all the stored files

1 Follow steps 2 to 4 on page 19.

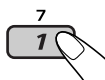
- In step 3, select “Delete.”

2



EX.: When “LARGE” is selected in step 4 on page 19

3 Delete all the stored files.



4 Exit from the setting.

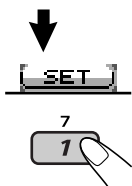
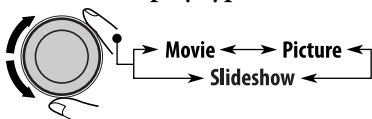


Activating the downloaded files

1 Follow steps 2 to 4 on page 19.

- In step 3, select “Set.”

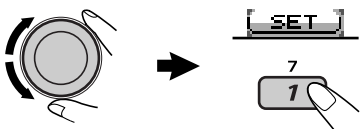
2 Select the display type.



EX.: When “LARGE” is selected in step 4 on page 19 and “Movie” is selected

Movie	Your edited animation stored in “Movie” is activated. → Go to step 3.
Picture	One of your edited still images stored in “Picture” is activated. → Go to step 3.
Slideshow	All stored still images are activated and shown in sequence (UserSlide). <ul style="list-style-type: none"> • If no still image is stored, beeps sound.

3 Select a file.*



The unit returns to the playback display.

- To display the activated files, see page 7.

* If no still image or no animation is stored, you can only select “Default.”

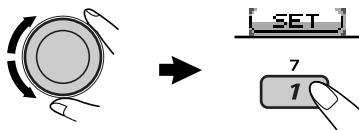
Setting the time for dimmer

- When [BACK] appears on the display, you can move back to the previous display by pressing number button 3.

1 Follow steps 1 to 3 on page 16.

- In step 2, select “DISPLAY.”
- In step 3, select “Dimmer.”

2 Select “Time Set.”



3 Adjust the dimmer time.

- 1 Turn the control dial to set the dimmer time.
- 2 Press ►►|▲ to select “To.” Then, turn the control dial to set the dimmer end time.

4 Exit from the setting.



Changing the display color

You can select your favorite display color for each source (or all sources).

- When [BACK] appears on the display, you can move back to the previous display by pressing number button 3.

Setting the display color

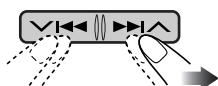
1 Follow steps 1 to 3 on page 16.

- In step 2, select “COLOR.”
- In step 3, select “Color Sel.”

2



3 Select a source.



All Source*1 ⇄ CD ⇄ Changer (or Ext In*)2 ⇄ USB*3 ⇄ FM ⇄ AM ⇄ iPod*3/ D.PLAYER*3 ⇄ (back to the beginning)

*1 When you select “All Source,” you can use the same color for all the sources.

*2 Depends on the “Ext Input” setting, see page 18.

*3 Displayed only when the target component is connected.

4 Select a color.



Every*4 ⇄ Aqua ⇄ Sky ⇄ Sea ⇄ Leaves ⇄ Grass ⇄ Apple ⇄ Rose ⇄ Amber ⇄ Honey ⇄ Violet ⇄ Grape ⇄ Pale ⇄ User*5 ⇄ (back to the beginning)

*4 The color changes every 2 seconds.

*5 The user-edited colors—“Day Color” and “NightColor” will be applied (see right column for details).

5 Repeat steps 3 and 4 to select the color for each source (except when selecting “All Source” in step 3).

6 Exit from the setting.



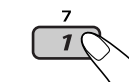
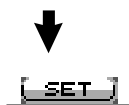
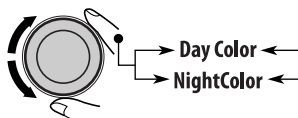
Creating your own color—User Color

You can create your own colors—“Day Color” or “NightColor.”

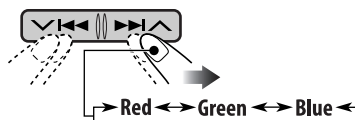
1 Follow steps 1 to 3 on page 16.

- In step 2, select “COLOR.”
- In step 3, select “Color Set.”

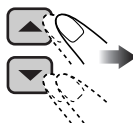
2 Select “Day Color” or “NightColor.”



3 Select a primary color.



4 Adjust the level (+00 to +11) of the selected primary color.



5 Repeat steps 3 and 4 to adjust other primary colors.

6 Exit from the setting.



- For connection, see Installation/Connection Manual (separate volume).
- For details, refer also to the manual supplied with the interface adapter.

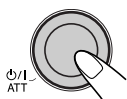
Caution:

Make sure to turn off this unit or turn off the vehicle's ignition switch before connecting or disconnecting the iPod or D. player.

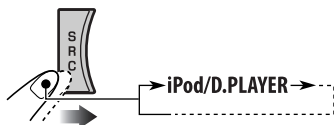
Preparations:

Make sure "Changer" is selected for the external input setting (see page 18).

1



2



Playback starts automatically from where it has been paused (for iPod) or stopped (for D. player) previously.

3

Adjust the volume.

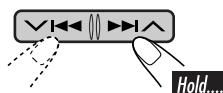


4

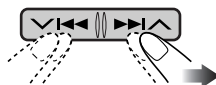
Adjust the sound mode as you want.
(See pages 14 – 16.)

- Make sure the equalizer on the iPod or D. player is deactivated.

To fast-forward or reverse the track



To go to the next or previous tracks



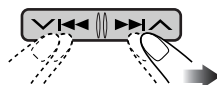
Selecting a track from the menu

1 Enter the main menu.



Now the ∇ \ll \gg Δ buttons work as the menu selecting buttons.*

2 Select the desired menu.



For iPod:

Playlists ∇ Artists ∇ Albums ∇ Songs
 ∇ Genres ∇ Composers ∇ (back to the beginning)

For D. player:

Playlist ∇ Artist ∇ Album ∇ Genre ∇
Track ∇ (back to the beginning)

- * The menu selecting mode will be canceled:
- If no operations are done for about 5 seconds.
 - When you confirm the selection of a track.

To pause (only for iPod) or stop (only for D. player) playback



- To resume playback, press it again.

Continued on next page...

3 Confirm the selection.



To move back to the previous menu, press ▲.

- If a track is selected, playback starts automatically.
- If the selected item has another layer, you will enter the layer. Repeat steps **2** and **3** until the desired track is played.
- Holding ▼|◀◀|▶▶|▲ can skip 10 items at a time.

Selecting the playback modes

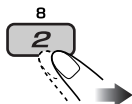
1



2 Select your desired playback mode.

■ Repeat play

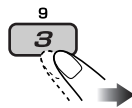
[RPT]



Mode	Plays repeatedly
One:	Functions the same as “Repeat One” of the iPod or “Repeat Mode → One” for the D. player [1 RPT].
All:	Functions the same as “Repeat All” of the iPod or “Repeat Mode → All” for the D. player [ALL RPT].
Off:	Cancels.

■ Random play

[RND]



Mode	Plays at random
Song:	Functions the same as “Shuffle Songs” of the iPod [S RND] or “Random Play → On” of the D. player [RND].
Album*:	Functions the same as “Shuffle Albums” of the iPod [A RND].
Off:	Cancels.

* For iPod: Only if you select “All Albums” in “Albums” of the main “MENU.”

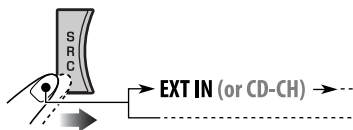
- You can also cancel the playback mode by pressing number button 4 ([OFF]) in step **2**.

Other external component operations

You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied).

- For connection, see Installation/Connection Manual (separate volume).
- For listening to the USB memory, see page 10.
- For listening to an iPod or a D. player, see pages 24 – 26.

1



If “EXT IN” does not appear, see page 18 and select the external input (“Ext In”).

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

3 Adjust the volume.



4 Adjust the sound as you want. (See pages 14 – 16.)

More about this unit

Basic operations

Turning on the power

- By pressing SRC 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.
 - For MP3/WMA disc: Disc play will start from the first track of the current folder if a <jtw> file is included and Image Link is activated (see page 17).

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, the 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.
- If you change the source, playback also stops. Next time you select the same playback source again, playback starts from where it has been stopped previously.

Inserting a disc

- When a disc is inserted upside down, “Please Eject” appears 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 playing an audio CD: If a title has been assigned to the audio CD (see page 24), it will be shown on the display.
- 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 files of the same type which are 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.

Continued on next page...

- Some CD-Rs or CD-RWs may not be played back on this unit because of their disc characteristics, or for the following reasons:
 - 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 (stained, scratched, warped, 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 a 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 damage to the unit.
- 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 files recorded in VBR (variable bit rate).
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 a 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 inappropriate 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.

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 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

Playing MP3/WMA track from a USB memory


- While playing from a USB memory, the playback order may differ from other players.
- This unit may be unable to play back some USB memories or some files due to their characteristics or recording conditions.
- Depending on the shape of the USB memories and connection ports, some USB memories may not be attached properly or the connection might be loose.
- It is not recommended to use a USB memory wider than 20 mm as it will block you from pressing the  button.
- If the connected USB memory does not have the correct files, “No Files” appears and the unit returns to the previous source.
- This unit can show Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files and for WMA files.
- This unit can play back MP3/WMA files meeting the conditions below:
 - Bit rate:
MP3: 32 kbps — 320 kbps (MPEG-1)
8 kbps — 160 kbps (MPEG-2/2.5)
WMA: 5 kbps — 320 kbps
 - Sampling frequency:
MP3: 48 kHz, 44.1 kHz, 32 kHz (MPEG-1)
24 kHz, 22.05 kHz, 16 kHz (MPEG-2)
12 kHz, 11.025 kHz, 8 kHz (MPEG-2.5)
WMA: 8 kHz — 48 kHz
- This unit can play back MP3 files recorded in VBR (variable bit rate).
- The maximum number of characters for folder and file names is 25 characters; 128 characters for MP3/WMA tag information.
- This unit can recognize a total of 2 500 files and 250 folders (999 files per folder).

Image Link

- Image Link will not work in the following cases:
 - If no <jtw> file is included in an MP3/WMA folder.
 - If Intro play is activated.
 - If the source is changed to another from “CD.”
- If more than one <jtw> file are included in a folder, a file with the youngest file number is used for Image Link.

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 be played this time.)

Sound adjustment

General

- If you are using a two-speaker system, set the fader level to the center (“00”).
- Subwoofer out setting takes effect only when a subwoofer is connected.
- You cannot change the input level—“VolAdjust” of the FM stations. If you try to adjust it for FM, “Fix” will appear.

Graphic display

General

- You can display two sizes of pictures and animations.
 - LARGE: <jtl> for still pictures and <jta> for the animations;
The image is displayed with the dimension of the screen.
 - SMALL: <jtm> for still pictures and <jtb> for animations;
The image is displayed like a CD jacket (on the left side of the display).
- Depending on a downloaded file, it may take longer time to show it on the display.

Continued on next page...

Downloading (or deleting) files

- You can download a file only while selecting “CD” for the playback source; on the other hand, you can delete a file while selecting any source.
- After finishing the procedure to download a file, playback starts from the beginning.
- If you have already downloaded an animation, downloading a new animation deletes the previously stored animation.
- It takes a long time to download an animation.
 - About 3 to 4 seconds for a still image (one frame).
 - About 1 to 2 minutes for an animation of 30 frames.
 - About 3 minutes for an animation of 60 frames.
- If you try to operate the downloading procedure from a disc without any <jtl>, <jtm>, <jta>, and <jtb> files, beeps sound.
- If you try to store more than 30 images for each size “LARGE” and “SMALL,” “Picture Full” appears and you cannot start downloading. Delete unwanted files before downloading.
- If the total frame number of an animation downloaded exceeds 60, the frames exceeding that number are ignored.

General settings—PSM

- “Auto” setting for “Dimmer” may not work correctly on some vehicles, particularly on those having a control dial for dimming. In this case, change the “Dimmer” setting to any other than “Auto.”
- If “LCD Type” is set to “Auto,” the display pattern will change to the “Positive” or “Negative” pattern depending on the “Dimmer” setting.
- Changing the “Amp Gain” setting from “High PWR” to “Low PWR” when the level is set higher than “Volume 30,” the unit automatically changes the volume level to “Volume 30.”

Title assignment

- If you try to assign titles to more than 30 station frequencies or 30 discs, “Name Full” appears. Delete unwanted titles before assignment.
- Titles assigned to discs in the CD changer can also be shown if you play back the disc from the unit and vice versa.

Available characters on the display

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							

iPod or D. player operations

- When you turn on this unit, the iPod or D. player is charged through this unit.
- While the iPod or D. player is connected, all operations from the iPod or D. player are disabled. Perform all operations from this unit.
- The text information may not be displayed correctly.
 - Some characters such as accented letters cannot be shown correctly on the display.
 - Depends on the condition of communication between the iPod or D. player and the unit.
- If the text information includes more than 8 characters, it scrolls on the display (see also page 17). This unit can display up to 40 characters.

Notice:

When operating an iPod or D. player, some operations may not be performed correctly or as intended. In this case, visit the following JVC web site:

For iPod users:

<<http://www.jvc.co.jp/english/car/support/ks-pd100/index.html>>

For D. player users:

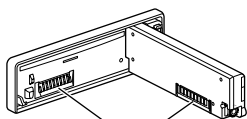
<<http://www.jvc.co.jp/english/car/support/ks-pd500/index.html>>

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, benzene, 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



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	<ul style="list-style-type: none"> • Sound cannot be heard from the speakers. 	<ul style="list-style-type: none"> • Adjust the volume to the optimum level. • Check the cords and connections.
	<ul style="list-style-type: none"> • The unit does not work at all. 	Reset the unit (see page 2).
	<ul style="list-style-type: none"> • “Connect Error” appears on the display. 	Remove the control panel, wipe the connector, then attach it again (see page 2).
FM/AM	<ul style="list-style-type: none"> • SSM automatic presetting does not work. 	Store stations manually.
	<ul style="list-style-type: none"> • Static noise while listening to the radio. 	Connect the antenna firmly.
Disc playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	Insert the disc correctly.
	<ul style="list-style-type: none"> • CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped. 	<ul style="list-style-type: none"> • Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	<ul style="list-style-type: none"> • Disc can be neither played back nor ejected. 	<ul style="list-style-type: none"> • Unlock the disc (see page 13). • Eject the disc forcibly (see page 2).
	<ul style="list-style-type: none"> • Disc cannot be recognized (“No Disc,” “Loading Error,” or “Eject Error” flashes). 	Eject the disc forcibly (see page 2).
	<ul style="list-style-type: none"> • Disc sound is sometimes interrupted. 	<ul style="list-style-type: none"> • Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
MP3/WMA playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	<ul style="list-style-type: none"> • 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.
	<ul style="list-style-type: none"> • 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.)
	<ul style="list-style-type: none"> • A longer readout time is required (“File Check” keeps flashing on the display). 	Do not use too many hierarchies and folders.
	<ul style="list-style-type: none"> • Tracks do not play back in the order you have intended them to play. 	Playback order is determined when the files are recorded.

	Symptoms	Remedies/Causes
MP3/WMA playback	<ul style="list-style-type: none"> Elapsed playing time is not correct. 	This sometimes occurs while playing. This is caused by how the tracks are recorded on the disc.
	<ul style="list-style-type: none"> “No Files” appears on the display. 	Insert a disc that contains MP3/WMA tracks.
	<ul style="list-style-type: none"> “Not Support” appears on the display and track skips. 	Skip to the next track encoded in an appropriate format or to the next non-copy-protected WMA track.
	<ul style="list-style-type: none"> “NO MUSIC” appears on the display. 	Change the disc that contains MP3/WMA tracks.
	<ul style="list-style-type: none"> Correct characters are not displayed (e.g. album name). 	This unit can only display letters (capital: A – Z, small: a – z), numbers, and a limited number of symbols (see page 30).
USB memory playback	<ul style="list-style-type: none"> Noise is generated. 	The track played back is not an MP3/WMA track. Skip to another file. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	<ul style="list-style-type: none"> “File Check” keeps flashing on the display. 	<ul style="list-style-type: none"> Readout time varies depending on the USB memory. Do not use too many hierarchy and folders. Turn off the power then on again.
	<ul style="list-style-type: none"> “No Files” appears on the display. 	Attach a USB memory that contains tracks encoded in an appropriate format.
	<ul style="list-style-type: none"> “Not Support” appears on the display and track skips. 	The track is unplayable.
	<ul style="list-style-type: none"> “Read Failed” appears on the display, then returns to the previous source. 	<ul style="list-style-type: none"> The attached USB memory may be malfunctioning, or may not have been formatted correctly. The files included in the USB memory are corrupted. Do not pull out or attach the USB memory repeatedly while “File Check” appears on the display.
	<ul style="list-style-type: none"> Correct characters are not displayed (e.g. album name). 	This unit can only display letters (capital: A – Z, small: a – z), numbers, and a limited number of symbols (see page 30).
CD changer	<ul style="list-style-type: none"> While playing a track, sound is sometimes interrupted. 	MP3/WMA tracks have not been properly copied into the USB memory. Copy MP3/WMA tracks again into the USB memory, and try again.
	<ul style="list-style-type: none"> “No Disc” appears on the display. 	Insert a disc into the magazine.
	<ul style="list-style-type: none"> “No Magazine” appears on the display. 	Insert the magazine.

Continued on next page...

	Symptoms	Remedies/Causes
CD changer	<ul style="list-style-type: none"> • “Reset 08” appears on the display. 	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	<ul style="list-style-type: none"> • “Reset 01” – “Reset 07” appears on the display. 	Press the reset button of the CD changer.
	<ul style="list-style-type: none"> • The CD changer does not work at all. 	Reset the unit (see page 2).
PICT—PSM	<ul style="list-style-type: none"> • Download does not seem to finish. 	It takes quite a long time to download an animation with many frames (see page 30).
	<ul style="list-style-type: none"> • Animation does not move. • The display graphic function does not work correctly. 	Wait until the operating temperature resumes.
	<ul style="list-style-type: none"> • You cannot select an image or animation for “Set” in “Pict.” (“Default” cannot be changed for “Movie” and “Picture,” or beeps sound for “Slideshow.”) 	Select an image only after downloading the appropriate files in memory.
iPod/D. player playback	<ul style="list-style-type: none"> • The iPod or D. player does not turn on or does not work. 	<ul style="list-style-type: none"> • Check the connecting cable and its connection. • Update the firmware version. • Change the battery.
	<ul style="list-style-type: none"> • Buttons do not work as intended. 	The functions of the buttons have been changed. Press MODE before performing the operation.
	<ul style="list-style-type: none"> • The sound is distorted. 	Deactivate the equalizer either on the unit or the iPod/D. player.
	<ul style="list-style-type: none"> • “Disconnect” appears on the display. 	Check the connecting cable and its connection.
	<ul style="list-style-type: none"> • Playback stops. 	The headphones are disconnected during playback. Restart the playback operation using the control panel (see page 25).
	<ul style="list-style-type: none"> • No sound can be heard when connecting an iPod nano. 	Disconnect the headphones from the iPod nano.
	<ul style="list-style-type: none"> • No sound can be heard. • “Error 01” appears on the display when connecting a D. player. 	Disconnect the adapter from the D. player. Then, connect it again.
	<ul style="list-style-type: none"> • “NO FILES” or “NO TRACK” appears on the display. 	No tracks are stored. Import tracks to the iPod or D. player.
	<ul style="list-style-type: none"> • “Reset 01” – “Reset 07” appears on the display. 	Disconnect the adapter from both the unit and iPod/D. player. Then, connect it again.
	<ul style="list-style-type: none"> • “Reset 08” appears on the display. 	Check the connection between the adapter and this unit.
	<ul style="list-style-type: none"> • The iPod’s or D. player’s controls do not work after disconnecting from this unit. 	Reset the iPod or D. player.

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:

Low: ± 12 dB (60 Hz, 80 Hz, 100 Hz, 200 Hz)

Mid: ± 12 dB (500 Hz, 1 kHz, 1.5 kHz, 2.5 kHz)

High: ± 12 dB (10 kHz, 12.5 kHz, 15 kHz, 17.5 kHz)

Frequency Response: 40 Hz to 20 000 Hz

Signal-to-Noise Ratio: 70 dB

Line-Out Level/Impedance:

5.0 V/20 k Ω load (full scale)

Output Impedance: 1 k Ω

Subwoofer-Out Level/Impedance:

2.0 V/20 k Ω load (full scale)

Other Terminal: CD changer

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 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 Hz to 15 000 Hz

Stereo Separation: 30 dB

[AM Tuner]

Sensitivity: 20 μ V

Selectivity: 35 dB

CD PLAYER/USB MEMORY 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

Playable USB memory:

Format: FAT 12/16/32

Storage: Less than 4 GB (1 partition type)

Playable Audio Format: MP3/WMA

Max. Current: Less than 500 mA

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 \times H \times D):

Installation Size (approx.):

182 mm \times 52 mm \times 152 mm

Panel Size (approx.):

188 mm \times 58 mm \times 11 mm

Mass (approx.):

1.4 kg (excluding accessories)

Design and specifications are subject to change without notice.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.



Having TROUBLE with operation?

Please reset your unit

Refer to page of How to reset your unit

JVC



EN

© 2006 Victor Company of Japan, Limited

0106DTSMDTJEIN