

JVC



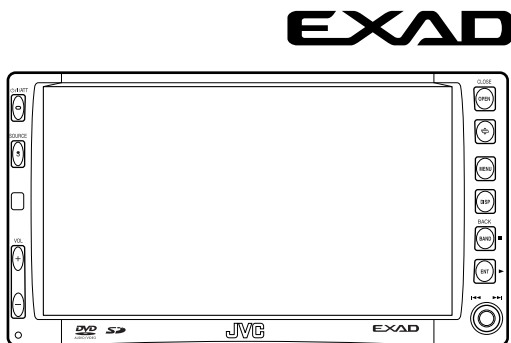
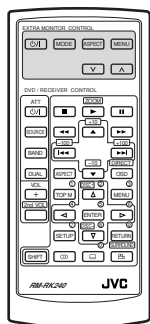
ENGLISH

DVD RECEIVER WITH MONITOR KW-AVX708/KW-AVX700

中

配备屏幕的 DVD 接收机 KW-AVX708/KW-AVX700

文



For installation and connections, refer to the separate manual.
有关安装和连接方法，分别参阅操作手册。

INSTRUCTIONS 使用说明书

LVT1469-010B
[UF]

Thank you for purchasing a JVC product.

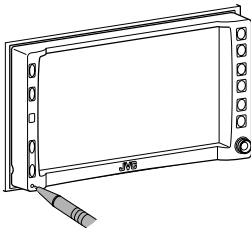
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

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.

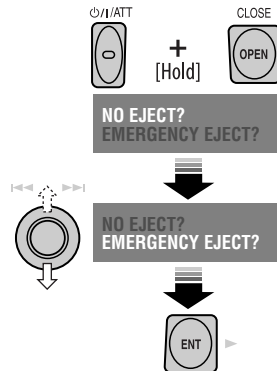
CAUTION : Visible and invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM.	ADVARSEL : Synlig og usynlig laserstråling når maskinen er åben eller interlocken fejler. Undgå direkte eksponering til strålingen. (e)	VARNING : Synlig och osynlig laserstrålning när den öppnas och spärren är urkopplad. Beträkta ej strålen. (d)	VARO : Avattassa ja suljetakitus ohjeittuna tai viäläisena olet atliina näkyvälle ja näkymättömälle lasersträilylle. Vältä säteen kohdistumista suoraan itseesi. (f)
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How to reset your unit



• Your preset adjustments will also be erased.

How to forcibly eject a disc



• If this does not work, reset the unit.

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.

WARNINGS:

To prevent accidents and damage

- **DO NOT install any unit in locations where;**
 - it may obstruct the steering wheel and gearshift lever operations.
 - it may obstruct the operation of safety devices such as air bags.
 - it may obstruct visibility.
- **DO NOT operate the unit while driving.**
If you need to operate the unit while driving, be sure to look ahead carefully.
- **The driver must not watch the monitor while driving.**

Cautions on the monitor:

- The monitor built in this receiver has been produced with high precision, but it may have some ineffective dots. This is inevitable and is not malfunction.
- Do not expose the monitor to direct sunlight.
- Do not touch the surface of the liquid crystal panel directly.
- When the temperature is very cold or very hot...
 - Chemical changes occur inside, causing malfunction.
 - Pictures may not appear clearly or may move slowly. Pictures may not be synchronized with the sound or picture quality may decline in such environments.

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

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■ **<MENU> language**

In this manual, English is used as the <MENU> language for explanation purposes. You can change the <MENU> language to Chinese using the “Language” setting (☞ page 37).

- Once you have selected Simplified Chinese or Traditional Chinese, Chinese folder/file names and tag data can be displayed on the built-in monitor.

Introduction

Disc type	Recording format, file type, etc.	Playable
DVD	DVD Video	✓OK
	DVD Audio	✓OK
	DVD-ROM	✗NO
DVD Recordable/Rewritable (DVD-R*¹/-RW, +R/+RW*²) <ul style="list-style-type: none"> Compliant to UDF bridge format DVD-RAM cannot be played. 	DVD Video	✓OK
	MPEG1/MPEG2	
	JPEG	
	MP3/WMA/WAV	
	DivX/MPEG4	✗NO
	DVD-VR, +VR	
Dual Disc	DVD side	✓OK
	Non-DVD side	✗NO
CD/VCD	Audio CD/CD Text (CD-DA), DTS-CD	✓OK
	VCD (Video CD)	
	SVCD (Super Video CD)	✗NO
	CD-ROM	
	CD-I (CD-I Ready)	
CD Recordable/Rewritable (CD-R/-RW) <ul style="list-style-type: none"> Compliant to ISO 9660 level 1, level 2, Romeo, Joliet 	CD-DA	✓OK
	MPEG1/MPEG2	
	JPEG	
	MP3/WMA/WAV	
	DivX/MPEG4	✗NO

*¹ DVD-R recorded in multi-border format is also playable (except for dual layer discs).

*² It is possible to play back finalized +R/+RW (Video mode only) discs. However, the use of +R double layer disc is not recommended.

- “DVD Logo” is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.

Notice 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 is not recommended.

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.

Note on Region Code:

DVD players and DVD Video discs have their own Region Code numbers. This unit can only play back DVD discs whose Region Code numbers include “6.”

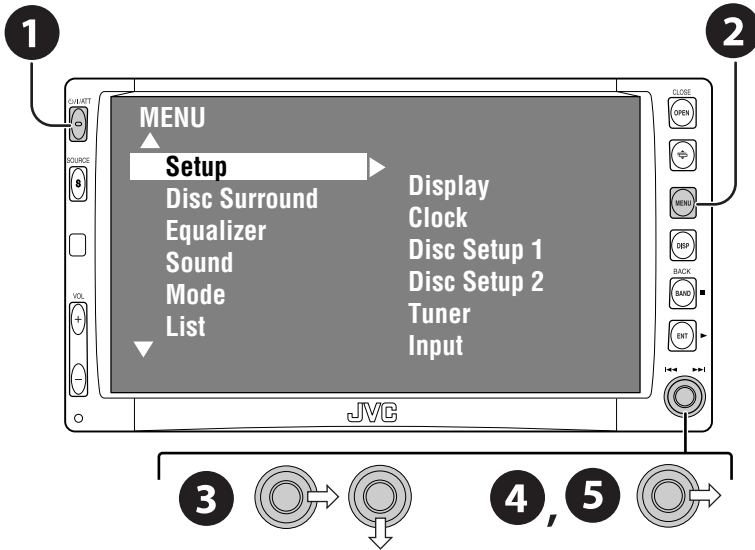
If you insert a DVD Video disc of an incorrect Region Code

“Region Error Please Eject” appears on the monitor.

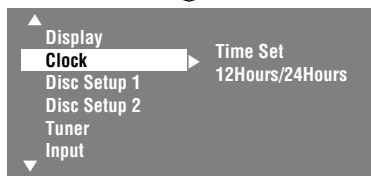
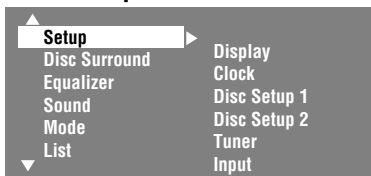


Before operating the unit—Set the clock

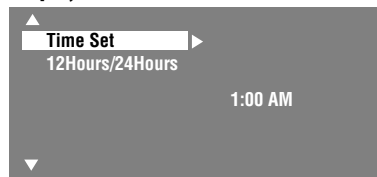
• See also page 35.



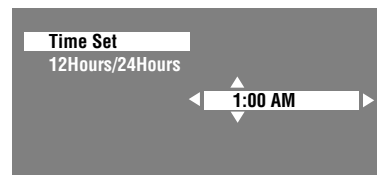
- 1** Turn on the power.
- 2** Display the <MENU>.
- 3** Select <Setup> ⇒ <Clock>.



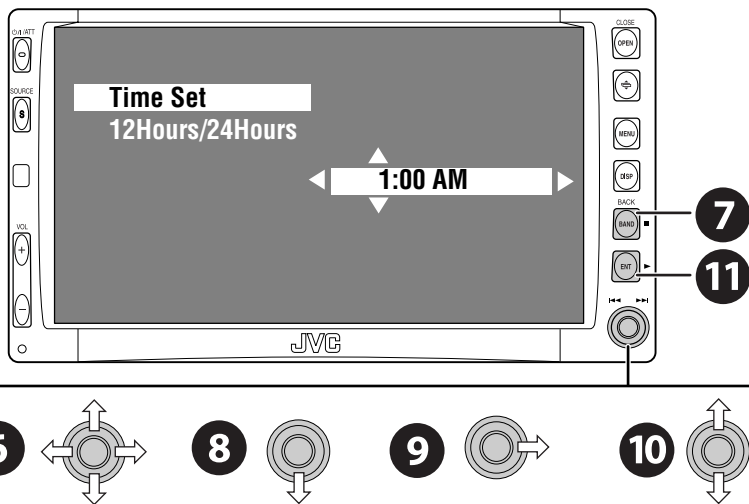
- 4** Display the <Clock> menu.



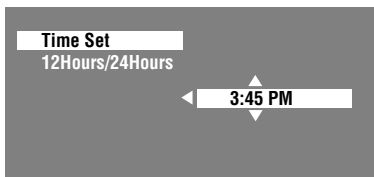
- 5** Select <Time Set>, then activate the <Time Set> screen.



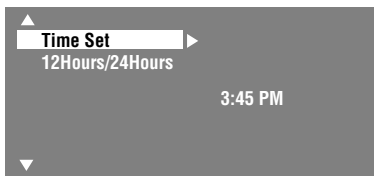
Continued on the next page



6 Set the clock time.



7 Return to the <Clock> menu.



8 Select <12Hours/24Hours>.



9 Activate the <12Hours/24Hours> screen.



10 Select either the 12-hour or 24-hour system.

11 Finish the procedure.

Basic operations — Control panel

Select the source.

TUNER → DISC (DVD/VCD/CD) → SD → CD-CH, iPod, D.PLAYER, or EXT-IN → AV-IN → (back to the beginning)

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

Open and close the monitor panel.

- When the monitor panel is open, you can insert a disc and an SD card.

- Turn on the power.
- Turn off the power [Hold].
- Attenuate the sound (if the power is on).

Display or erase <MENU>*1.

Change the monitor panel angle.

Change the display information.

Adjust the volume.

Reset the unit.

- Use only when the internal system malfunctions.

Display window

- DISC: Start playing.
- On menus: Enter.

- TUNER: Select the bands.
- DISC: Stop playing.
- On menus: Back.

*1 <MENU> screens

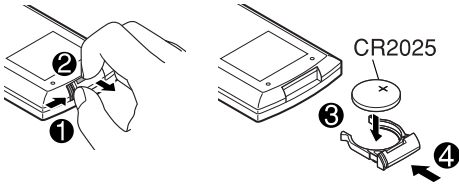
You can use the menu to set up various settings. The <MENU> screen consists of the following sub-menus—**Setup/Disc Surround/Equalizer/Sound/Mode/List/DualZone.**

- For details, see pages 35 to 42.
- You can also change the <MENU> language to either Simplified Chinese or Traditional Chinese. See “Language” on pages 37.

- TUNER: Search for stations.
- DISC: Select chapters/tracks.
- On menus: Select items.
- iPod/D.PLAYER: Select tracks.

Basic operations — Remote controller (RM-RK240)

Installing the lithium coin battery (CR2025)



Before using the remote controller:

- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

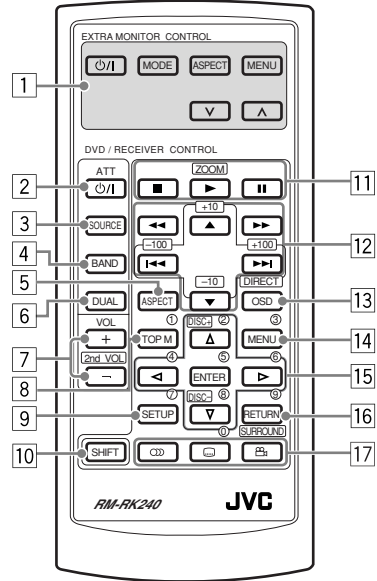
Warning: To prevent accidents and damage

- Do not install any battery other than CR2025 or its equivalent.
- Store the battery in a place where children cannot reach.
- Do not recharge, short, disassemble, or 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.

IMPORTANT:

If Dual Zone is activated (see page 24), the remote controller functions only for operating the DVD/CD player.

Main elements and features



MONITOR CONTROL

- 1 Monitor control buttons
 - Used for a JVC monitor—KV-MR9010, or KV-MH6510.

DVD/RECEIVER CONTROL

- 2
 - Turns on the power.
 - Attenuates the sound if the power is on.
 - Turns off the power if pressed and held (while the power is on).
- 3 Selects the source.
- 4 Selects the FM/AM bands.
- 5 Changes the aspect ratio of the playback pictures.
- 6 Activates or deactivates Dual Zone.
- 7 Adjusts the volume level.
 - Also functions as 2nd VOL button when pressed with SHIFT button (see page 24).
- 8*1
 - DVD: Shows the disc menu.
 - VCD: Resumes PBC playback (see page 19).

- 9*1 Not used as SETUP button for this receiver.
- 10 SHIFT button
- 11 ■ (stop), ► (play), || (pause)
 - ► (play) also function as ZOOM button when pressed with SHIFT button (☞ page 20).
 - Not applicable for CD changer operations.

12*2 For advanced disc operations:

- ▲ / ▼
DVD: Selects the titles.
Other discs except CD: Selects the folders.
- |◀◀ / ▶▶|: reverse skip/forward skip
- ◀◀ / ▶▶: reverse search/forward search

For FM/AM tuner operations:

- ▲ / ▼:
Changes the preset stations.
- |◀◀ / ▶▶|:
– Functions to search for stations.
Press briefly: auto search
Press and hold: manual search

For Apple iPod®/JVC D. player operations:

- ▼: Pauses/stops or resumes playback.
- ▲: Enters the main menu (then ▲/▼/|◀◀ / ▶▶| work as the menu selecting buttons).*3
- |◀◀ / ▶▶| (in menu selecting mode)
 - Selects an item if pressed briefly. (Then, press ▼ to confirm the selection.)
 - Skips 10 items at a time if pressed and held.

- 13 Shows the on-screen bar.
 - Also functions as DIRECT button when pressed with SHIFT button (☞ pages 18 to 20).

- 14*1 • DVD: Shows the disc menu.
- VCD: Resumes PBC playback (☞ page 19).

- 15*1 • Makes selection/settings.
 - ◀▷: Skips back or forward by 5 minutes for MPEG.
 - DISC +/- buttons: Changes discs for “CD-CH.”

- 16*1 RETURN button
- 17 • DVD: Selects audio language (Ⓞ), subtitles (Ⓞ)*1, angle (Ⓞ).
- VCD: Selects audio channel (Ⓞ).
- Ⓞ (angle) also functions as SURROUND button when pressed with SHIFT button (☞ page 21).

*1 Functions as number buttons when pressed with SHIFT button.

- TUNER: Selects preset station.
- DISC: Selects chapter/title/group/folder/track.

*2 Functions as +10/-10/+100/-100 buttons when pressed with SHIFT button.

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

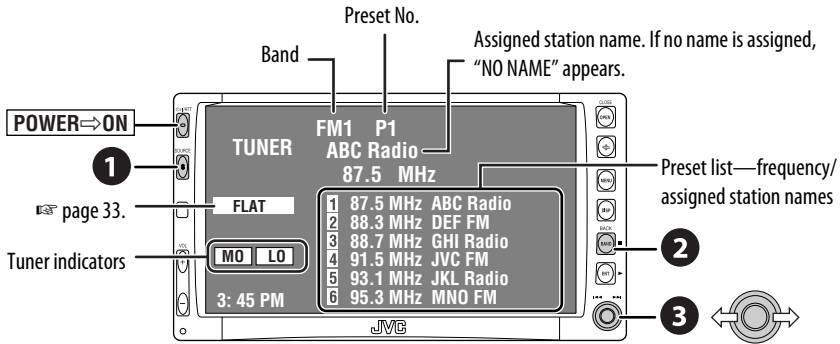
How to select a number

To select a number from 0 – 9:

To select a number greater than 9:

- +100/-100 buttons used only for searching for tracks whose number is greater than 99.

Listening to the radio



1 Select "TUNER."

2 Select the bands.

→FM1→FM2→FM3→AM←

3 Search for a station—Auto Search.

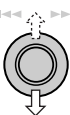
- Manual Search: Hold either to left or right until "Manual Search" appears on the display, then push it repeatedly.
- The ST indicator lights up when receiving an FM stereo broadcast with sufficient signal strength.

When an FM stereo broadcast is hard to receive

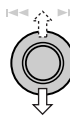
1



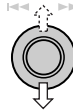
2



3



4



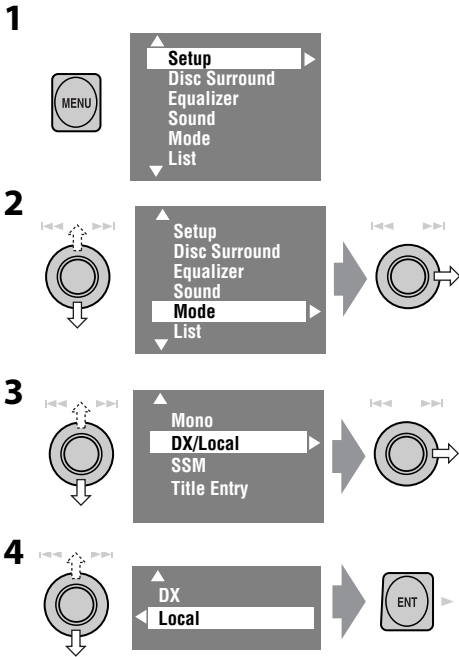
Reception improves, but stereo effect will be lost.

- The MO indicator lights up.

To restore stereo effect, select "Off" in step 4.

Tuning in to stations with sufficient signal strength

This function works only for FM bands.
Once you have activated this function (selected "Local"), it always works when searching for FM stations.

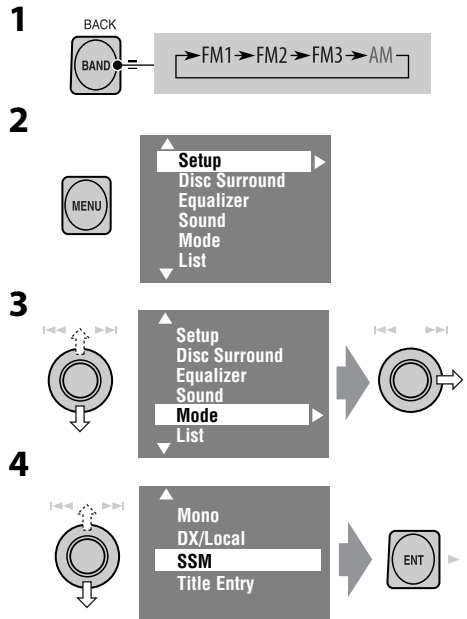


Only stations with sufficient signal strength will be detected.

- The DX indicator goes off, then the LO indicator lights up.

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

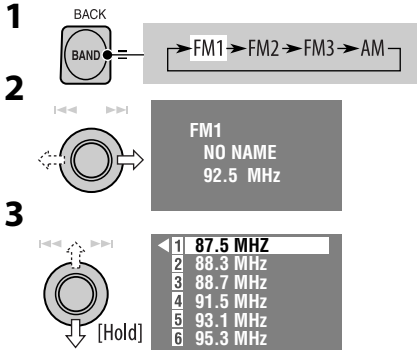
This function works only for FM bands.
You can preset six stations for each band.



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

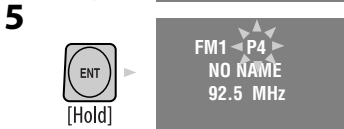
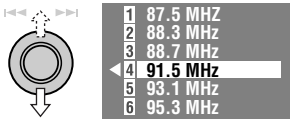
Manual presetting

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



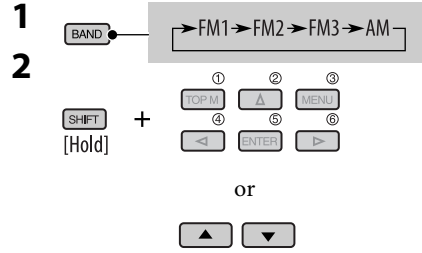
- Each time you keep pushing up or down the knob, you can change the FM bands.
- Preset List can also be accessed through <MENU> → <List> (right).

4 Select a preset number.

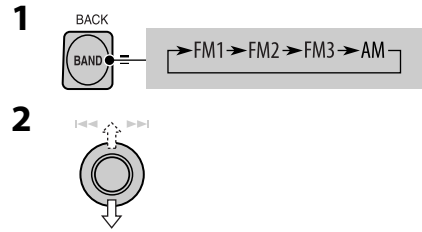


Selecting preset stations

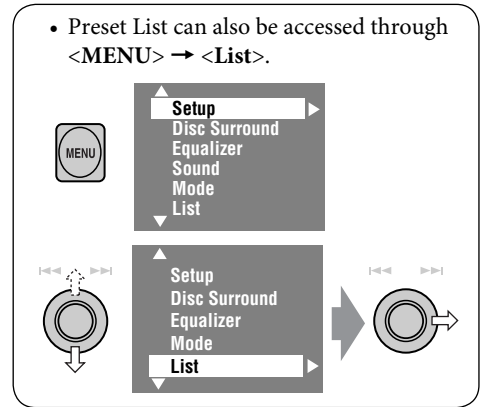
On the remote:



On the unit:



- Preset List can also be accessed through <MENU> → <List>.



Disc operations

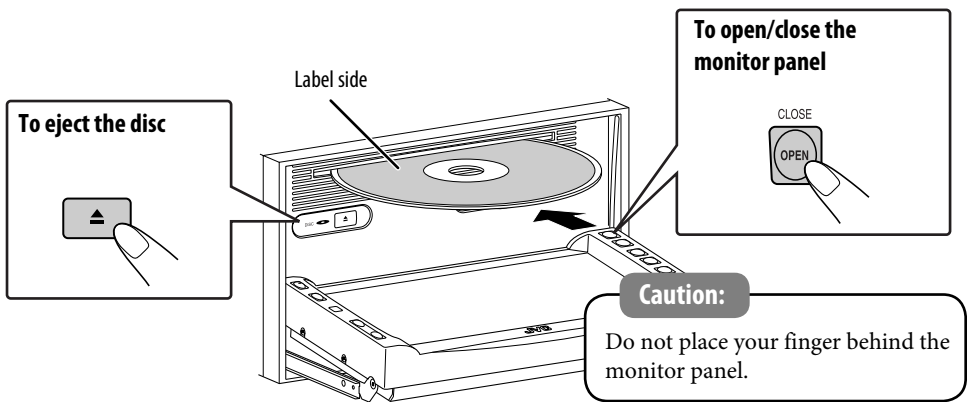
The disc type is automatically detected, and playback starts automatically (for some discs: automatic start depends on its internal program).

If a disc does not have any disc menu, all tracks in it will be played repeatedly until you change the source or eject the disc.

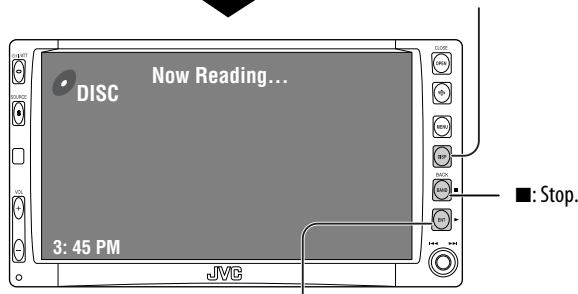
- If "⊘" appears on the monitor, the unit cannot accept the operation you have tried to do.
- In some cases, without showing "⊘," operations will not be accepted.

Open the monitor panel and insert the disc.


Playback starts automatically.



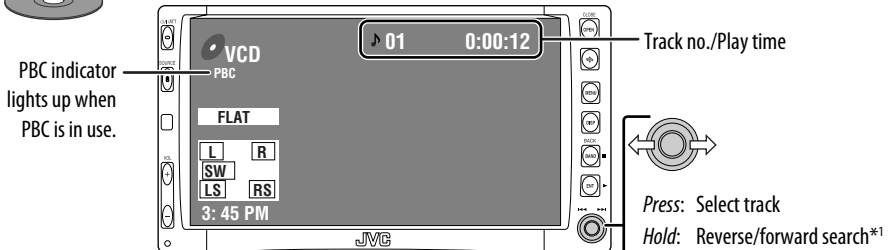
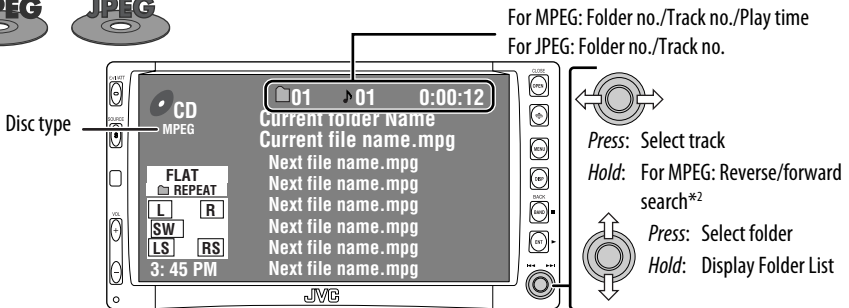
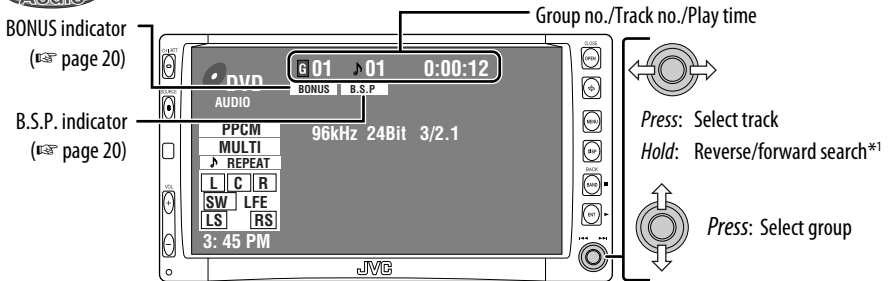
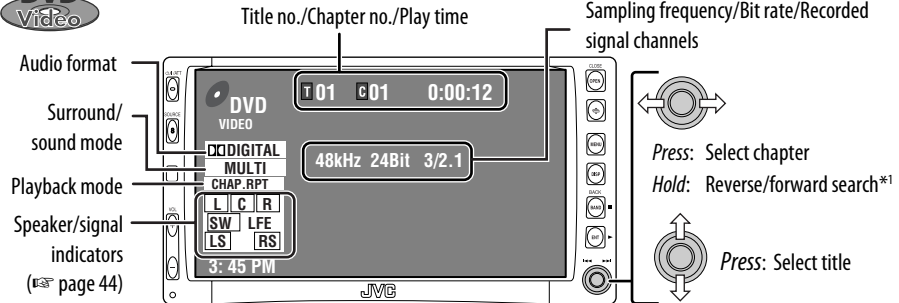
DISP: Press if no playback picture appears, but disc information (pages 14 and 15) screen is displayed.

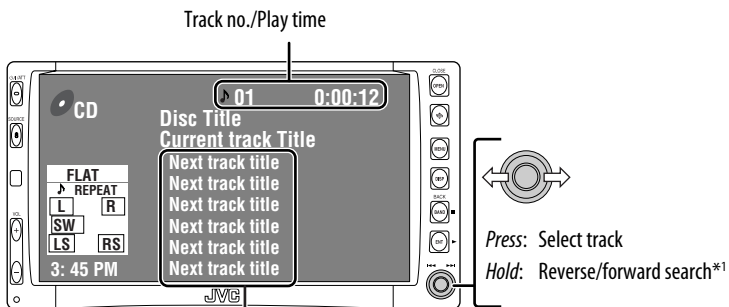


▶: Start playback if necessary.
(For DVD: 10-second review if pressed during play.)

While playing the following discs, press  .

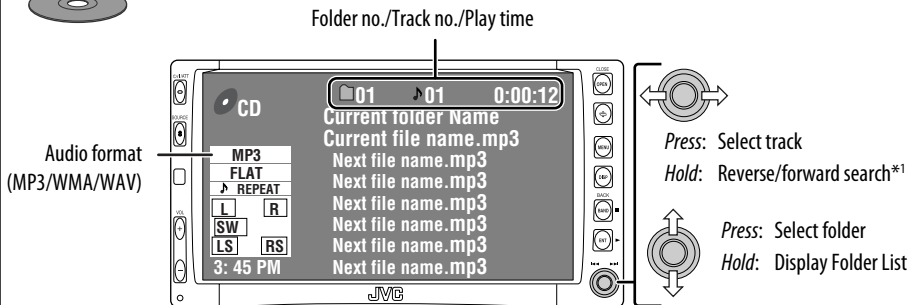
- Each time you press the button, playback picture and disc information screens (with/without level meter) appear in turn.





Next track list (only for CD Text)

- “NO NAME” appears if no title is assigned or recorded.



- Tag data will be shown instead of folder/file names when they are recorded (with “Tag Display” set to “On” page 36).

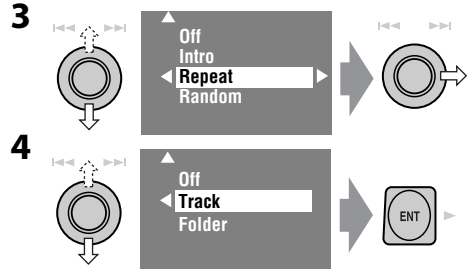
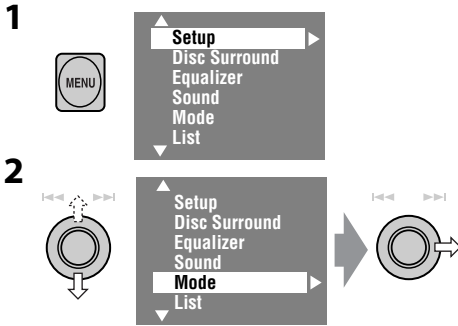
*1 Search speed: x2 ⇔ x10.

*2 Search speed: ►► 1 ⇔ ►►► 2.

- Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.
 Ex. To select Track Repeat



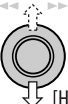
When one of the playback modes is selected, the corresponding indicator lights up on the disc information screen.

To cancel, select “Off” in step 3 or 4.

Disc type	Intro	Repeat	Random
	—	Chapter: Repeats current chapter Title: Repeats current title	—
	—	Track: Repeats current track	—
 	Track: Plays the first 15 seconds of each track (for VCD: PBC not in use)	Track: Repeats current track (for VCD: PBC not in use)	Disc: Randomly plays all tracks (for VCD: PBC not in use)
	Track: Plays the first 15 seconds of each track Folder: Plays the first 15 seconds of the first track of each folder	Track: Repeats current track Folder: Repeats all tracks of the current folder	Folder: Randomly plays all tracks of current folder, then tracks of next folders Disc: Randomly plays all tracks
	—	Track: Repeats current track Folder: Repeats current folder	—
	—	Folder: Repeats current folder	—

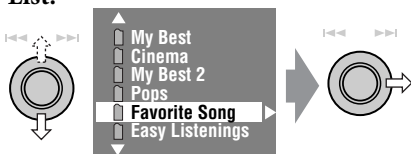
Selecting tracks on the list

If a disc includes folders, you can display the Folder/Track Lists, then start playback.

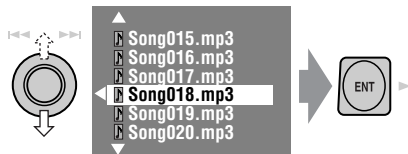
1  Folder List with the current Track List on the right column appears.



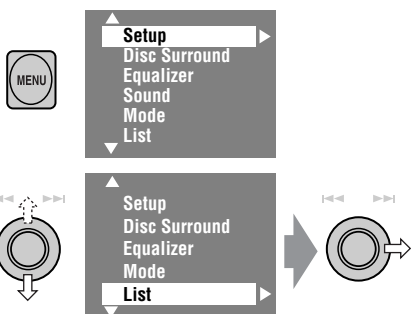
2 Select a folder, then activate the Track List.



3 Select a track, and start playing.



- Preset List can also be accessed through <MENU> → <List>.



Prohibiting disc ejection

You can lock a disc in the loading slot.

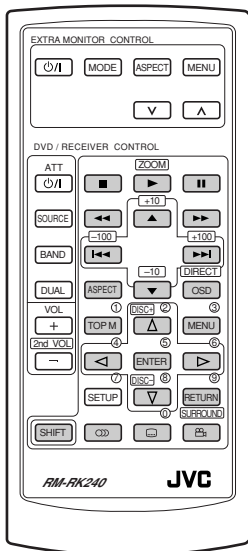
1  +  [Hold]



2 

“No Eject” appears.

To cancel the prohibition, repeat the same procedure to select “EJECT OK”.



- To select a number, see also "How to select a number" on page 9.

- : Stop play.
- : Pause (Frame by frame playback if pressed during pause).
- : Start play (10-second review if pressed during play).
- :



Reverse/forward search*1 (No sound can be heard.)
 (Slow motion*2 during pause. No sound can be heard.)

- :

Press: Select chapter (during play or pause).

Hold: Reverse/forward search*3

- : Select title.

ASPECT : Select aspect ratio.

: Select subtitle language.

: Select audio language.

: Select view angle.

SHIFT + ... :

Select chapter (during play or pause).

Select title (when not playing).

SHIFT + (OSD) → ... :

Select title directly.

Using menu driven features...

-
- Select an item you want to start play.
-

- : Stop play.
- : Pause (Frame by frame playback if pressed while pausing moving pictures).
- : Start play (10-second review if pressed while playing moving pictures).
- :

Reverse/forward search*1.

- :

Press: Select track.

Hold: Reverse/forward search*3.

- : Select group.

ASPECT : Select aspect ratio.

: Select audio language.



SHIFT + ... :

Select track.

SHIFT + (OSD) → ... :

Select group directly.

Using menu driven features...

-
- Select an item you want to start play.
-

*1 Search speed: x2 ⇒ x5 ⇒ x10 ⇒ x20 ⇒ x60

*2 Slow motion speed: 1/32 ⇒ 1/16 ⇒ 1/8 ⇒ 1/4 ⇒ 1/2

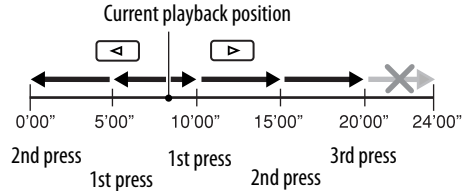
*3 Search speed: x2 ⇒ x10

- : Stop play.
- : Pause (Frame by frame playback if pressed during pause).
- : Start play.
- : Reverse/forward search*4. (No sound can be heard.)
- : Press: Select track.
Hold: Reverse/forward search*5. (No sound can be heard.)
- : Select folder.
- : Select aspect ratio.
- + ... :
Select track (within the same folder).
- + + → ...):
Select folder directly*6.



While playing...

: Return/advance the scenes by 5 minutes.



- : Stop play.
- : Pause.
- : Start play.
- : Select track.
- : Select folder.
- : Select aspect ratio.

+ ... :
Select track (within the same folder).



+ + → ...):
Select folder directly*6.

- : Stop play.
- : Pause (Frame by frame playback if pressed during pause).
- : Start play.
- : Reverse/forward search*1 (Forward slow motion*2 during pause. No sound can be heard.)
 - Reverse slow motion does not work.
- : Press: Select track.
Hold: Reverse/forward search*3 (No sound can be heard.)
- : Select aspect ratio.
- : Select audio channel (ST: stereo, L: left, R: Right).



+ ... :
Select track.

During PBC playback...

+ ... : Select an item on the menu.
To return to the previous menus, press .

To cancel PBC playback

- 1
- 2 While holding , press ... to start the desired track.
 - To resume PBC, press / .


*4 Search speed: 1 ⇒ 2 ⇒ 3
 *5 Search speed: 1 ⇒ 2


*6 When 2-digit numbers are assigned at the beginning of their folder names—01, 02, 03, and so on.



- : Stop play.
- : Pause.
- : Start play.
- : Reverse/forward search*¹.
- : Press: Select tracks.
Hold: Reverse/forward search*³.
- : Select folder.

- : Select track (within the same folder).
- : Select folder directly*⁶.

- 
- : Stop play.
 - : Pause.
 - : Start play.
 - : Reverse/forward search*¹.
 - : Press: Select track.
Hold: Reverse/forward search*³.
 - : Select track.



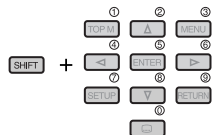
Playing back a bonus group

If a DVD Audio including a “bonus group” is detected, the BONUS indicator lights up on the disc information screen.

To play a bonus group...

- 1 Select the bonus group.**
 - The bonus group is usually recorded as the last group.

2 Enter the key number.

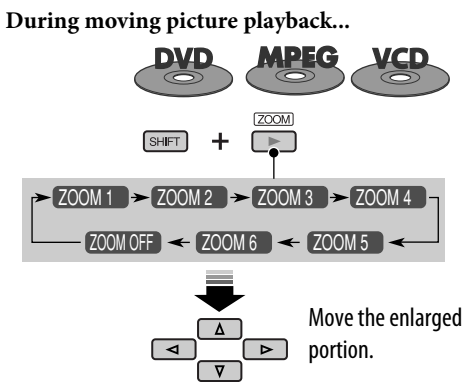


- “key number” (a kind of password) for the bonus group is not open to public. The way of getting the key number depends on the disc.

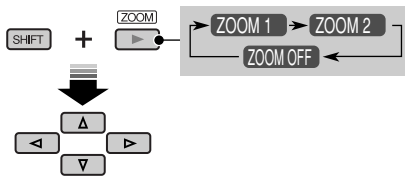
3 Follow the interactive instructions shown on the monitor.

*¹ Search speed: x2 ⇒ x5 ⇒ x10 ⇒ x20 ⇒ x60
 *³ Search speed: x2 ⇒ x10
 *⁶ When 2-digit numbers are assigned at the beginning of their folder names—01, 02, 03, and so on.

Enlarging the view (Zoom in)



While pausing...



To cancel zoom, select “ZOOM OFF.”



Selecting browsable still picture...

When a disc including browsable still pictures is detected, the B.S.P. indicator lights up on the disc information screen.

When disc shows the BSP selecting icons such as < or > on the screen...

1 Select an item you want to display.




2

Enjoying surround sounds

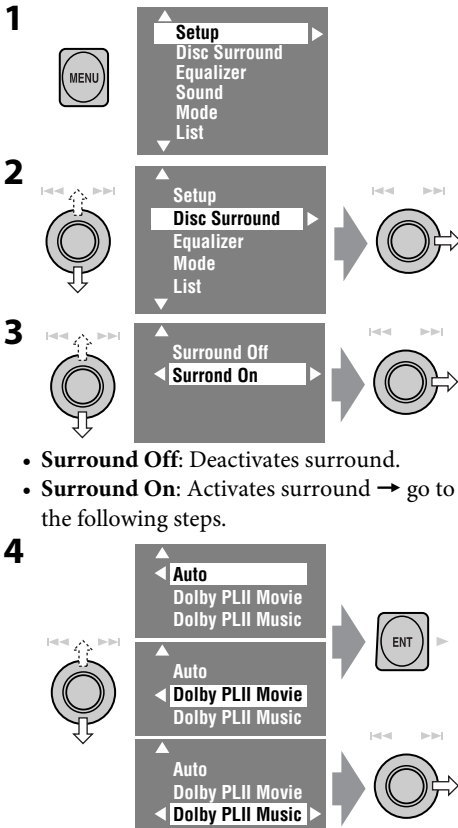
You can enjoy multi-channel surround playback through the front, center, surround speakers.

- Without connecting (and activating) center speaker and surround speakers, you cannot enjoy surround playback.

MULTI: For multi-channel encoded sources such as Dolby Digital*¹, DTS*², and DVD Audio. (When activated, "MULTI" is shown on the disc information screen.)

Dolby Pro Logic II (Movie/Music): For 2 channel sources except for MPEG 2-channel discs. (This can also be used for SD card playback.  page 27)

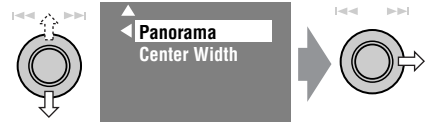
To turn on the surround...



- Surround Off:** Deactivates surround.
- Surround On:** Activates surround → go to the following steps.

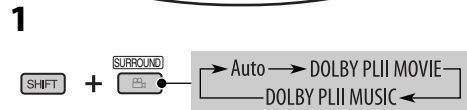
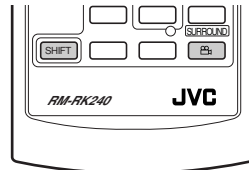
- Auto:** "MULTI" surround is activated when multi-channel digital signals are detected.
- Dolby PLII Movie:** Activates Dolby Pro Logic II Movie.
- Dolby PLII Music:** Activates Dolby Pro Logic II Music → go to the following step.

5 Only when selecting "Dolby PLII Music"



- Panorama:** Select "Panorama On" to add wraparound sound effect.
- Center Width:** Adjust the center image so it may be heard only from the center speaker, only from the left/right front speaker as a "phantom" center image, or various combination of these speakers. As the number increases, the "phantom" effect becomes stronger (normally select "4").

On the remote controller:



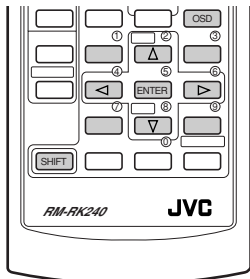
- You cannot change the "Dolby PL II Music" settings using the remote controller.

*¹ Manufactured under license from Dolby Laboratories. Dolby, Pro Logic, MLP Lossless, and the double-D symbol are trademarks of Dolby Laboratories.

*² "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

Operations using the on-screen bar (DVD/VCD/MPEG/JPEG)

These operations are possible on the monitor using the remote controller.



1 Display the on-screen bar (see page 23).

OSD (twice)

2 Select an item.



3 Make a selection.

ENTER

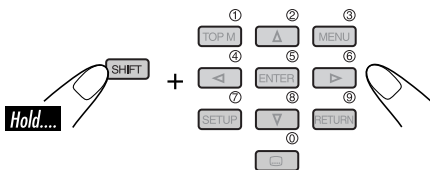
If pop-up menu appears...



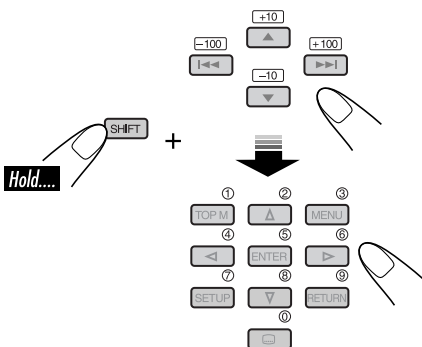
- For entering time/numbers, see below.

How to select a number

To select a number from 0 - 9:



To select a number greater than 9:



- +100/-100 buttons used only to enter the number greater than 99.
- To reduce numbers, use [-10] or [-100].

Entering time/numbers

Ex.:

DVD ⇒ _: _: _ _

To enter 1 (hours): 02 (minutes): 00 (seconds), press 1, 0, 2, 0, 0, then ENTER.

VCD (PBC not in use) ⇒ _: _: _ _

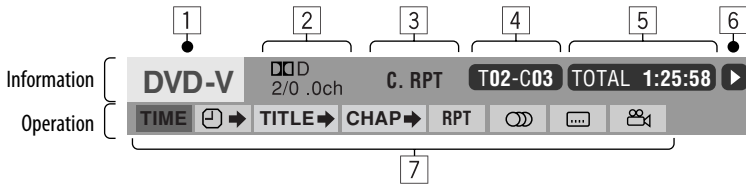
To enter 64 (minutes): 00 (seconds), press 6, 4, 0, 0, then ENTER.

- It is not required to enter trailing zeros (the last two digits in the examples above).
- To correct a misentry, use [←].

To remove the on-screen bar

OSD

On-screen bar



Above example is of DVD Video. Items shown on the bar vary due to the disc type.

1 Disc type

2 • DVD: Audio signal format

• VCD: PBC

3 Playback mode

DVD Video:

T. RPT: Title repeat

C. RPT: Chapter repeat

DVD Audio:

T. RPT: Track repeat

MPEG:

T. RPT: Track repeat

F. RPT: Folder repeat

JPEG:

F. RPT: Folder repeat

VCD:

T. RPT: Track repeat

D. RND: Disc random

T. INT: Track intro

Plays the beginning 15 seconds of the current track

4 Playback information

T02-C03 Current title/chapter

G02-T03 Current group/track

TRACK 01 Current track

F001-T001 Current folder/track

5 Time indication

TOTAL Elapsed playing time of the disc

T. REM Remaining title time (for DVD)

Remaining disc time (for others)

TIME Elapsed playing time of the current chapter/track

REM Remaining time of the current chapter/track

6 Playback status

Play

Reverse/forward search

Reverse/forward slow-motion

Pause

Stop

7 Operation icons

TIME Change time indication (see **5**)

Time Search (Enter the elapsed playing time of the current title or of the disc.)

TITLE Title Search (by its number)

GROUP Group Search (by its number)

CHAP Chapter Search (by its number)

TRACK Track Search (by its number)

RPT Repeat play*¹

INT Intro play*¹

RND Random play*¹

Change the audio language or audio channel

Change the subtitle language

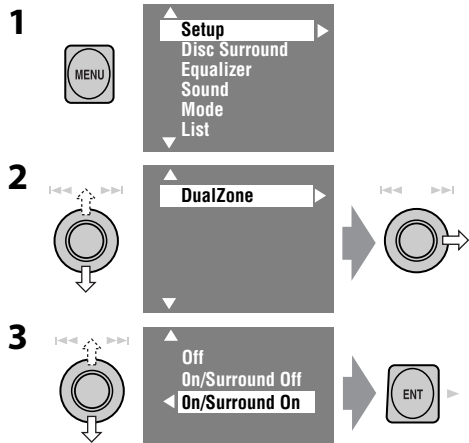
Change the view angle

*¹ page 16.

Dual Zone operations

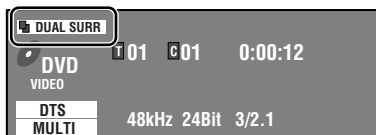
You can enjoy a disc playback on the external monitor connected to the VIDEO OUT and 2nd AUDIO OUT plugs, while listening to any other source through the speakers.

- When Dual Zone is in use, you can only operate the DVD/CD player using the remote controller.



- **Off:** Deactivates Dual Zone.
- **On/Surround Off (DUAL):** Activates Dual Zone without applying Headphone Surround*.
- **On/Surround On (DUAL SURR):** Activates Dual Zone and applies Headphone Surround.

When Dual Zone is activated, the main source is changed to “DISC.”



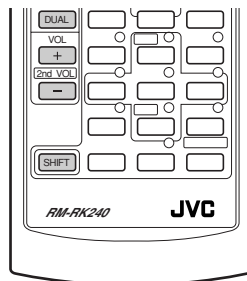
Ex. When “On/Surround On” is selected.

To select a different source (main source) to listen through the speakers:

Press SOURCE on the control panel.

- You cannot select “SD” for the main source.
- By using the buttons on the control panel, you can operate the newly selected source without affecting Dual Zone (DVD/CD) operations.

On the remote controller:



1. Press the DUAL button to toggle between Off and DUAL (On/Surround Off) or DUAL SURR (On/Surround On).
2. Adjust the volume through the 2nd AUDIO OUT plug.



3. Operate the DVD/CD player.

* JVC original headphone virtual surround system. This surround will also work for the main source “DISC” though it is activated for the sub-source. This surround does not work for MPEG discs.

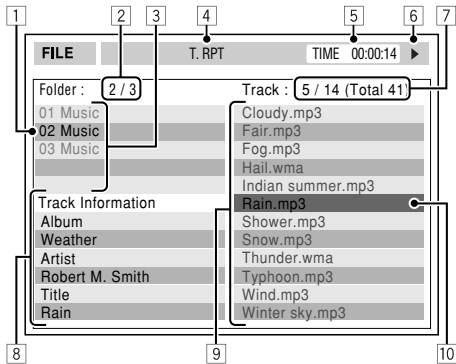
Operations using the control screen (MP3/WMA/WAV/MPEG/JPEG)

While Dual Zone is on, these operations are possible on the external monitor using the remote controller.

The control screen automatically appears when you insert a disc. (For MPEG/JPEG; while not playing.)

Control screen

MP3/WMA/WAV/MPEG/JPEG



Ex.: MP3/WMA

- 1 Current folder
- 2 Current folder number/total folder number
- 3 Folder list
- 4 Selected playback mode
- 5 Elapsed playing time of the current track (not displayed for JPEG)
- 6 Operation status
- 7 Current track number/total number of tracks in the current folder (total number of tracks on the disc)
- 8 Track information (only for MP3/WMA/WAV)
- 9 Track list
- 10 Current track (highlighted bar)

To select a folder or track

- 1 Select "Folder" column or "Track" column on the control screen.

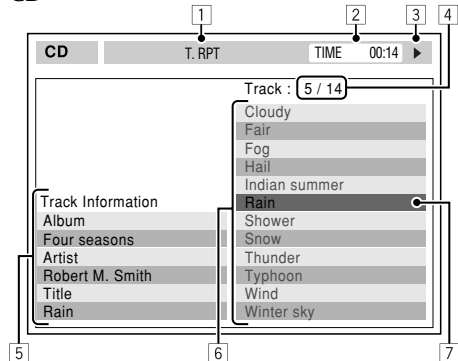


- 2 Select a folder or track.

- If necessary, press ENTER to start playback.

Control screen

CD



Ex.: CD Text

- 1 Selected playback mode
- 2 Elapsed playing time of the current track
- 3 Operation status
- 4 Current track number/total number of tracks on the disc
- 5 Track information
- 6 Track list
- 7 Current track (highlighted bar)

To select a track



- If necessary, press ENTER to start playback.

To change the playback modes

You can also change the playback modes.

- For CD/MP3/WMA/WAV: Intro/Repeat/Random
- For others: Repeat

1



2

- Only for CD/MP3/WMA/WAV: Select a playback mode



3

- Select your desired option.



4



Operations using the list screen (MP3/WMA/WAV/MPEG/JPEG)

While Dual Zone is on, these operations are possible on the external monitor using the remote controller.

List screen

Folder list

1	2		3	
Folder	:	144/240	Track 144/198	Page : 4/7
fol120	fol130	fol140	fol150	
fol121	fol131	fol141	fol151	
fol122	fol132	fol142	fol152	
fol123	fol133	fol143	fol153	
fol124	fol134	fol144	fol154	
fol125	fol135	fol145	fol155	
fol126	fol136	fol146	fol156	
fol127	fol137	fol147	fol157	
fol128	fol138	fol148	fol158	
fol129	fol139	fol149	fol159	

4

Track list

1	2		3	
Folder	:	144/240	Track 144/198	Page : 4/5
file0121.mp3	file0131.mp3	file0141.wma	file0151.wma	
file0122.mp3	file0132.mp3	file0142.mp3	file0152.mp3	
file0123.wma	file0133.mp3	file0143.wma	file0153.wma	
file0124.mp3	file0134.mp3	file0144.mp3	file0154.mp3	
file0125.mp3	file0135.wma	file0145.mp3	file0155.wma	
file0126.wma	file0136.mp3	file0146.mp3	file0156.wma	
file0127.wma	file0137.wma	file0147.mp3	file0157.wma	
file0128.mp3	file0138.mp3	file0148.wma	file0158.wma	
file0129.mp3	file0139.wma	file0149.wma	file0159.mp3	
file0130.wma	file0140.wma	file0150.wma	file0160.wma	

4

Ex.: Track list for MP3/WMA

- 1 Current folder number/total folder number
- 2 Current track number/total number of tracks in the current folder
- 3 Current page/total number of the pages included in the list
- 4 Current folder/track (highlighted bar)

While not playing...

- 1 Display the folder list.

Each time you press the button, the list screen comes on and goes off.

MENU

- 2 Select a folder on the list.



The track list of the selected folder appears.

- 3 Select a track on the list.



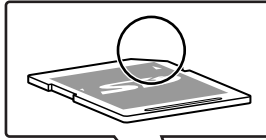
To go back to the folder list, press **RETURN**.

The language on the external monitor

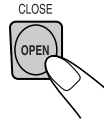
You cannot display the Chinese characters correctly even though you have selected Simplified Chinese or Traditional Chinese for "Language" (see page 37).

SD operations

To eject the disc
push in the SD card
lightly.



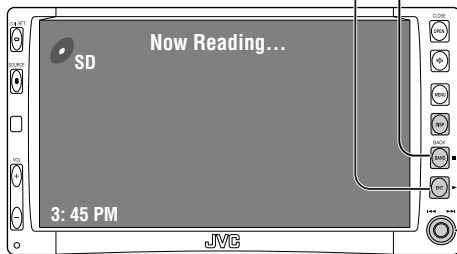
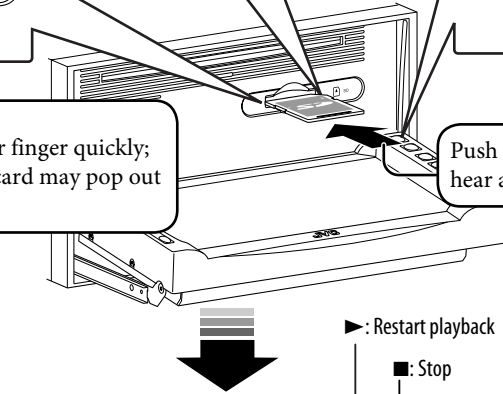
**To open/close the
monitor panel**



Caution:

Do not release your finger quickly;
otherwise, the SD card may pop out
from the unit.

Push in the SD card until you
hear a clicking sound.



▶: Restart playback

■: Stop



Press: Select track
Hold: Reverse/forward search



Press: Select folder
Hold: Display Folder List
(page 17)

This unit can play MP3/WMA/JPEG tracks
stored in SD cards.

All tracks in the SD card will be played
repeatedly until you change the source.

- Removing the SD card will stop playback.
- You cannot select "SD" when Dual Zone is in use.

Caution:

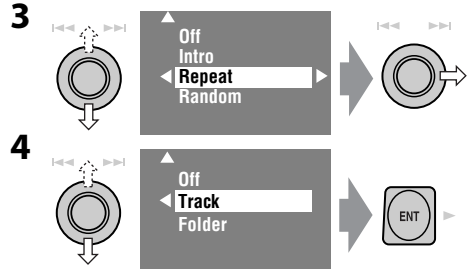
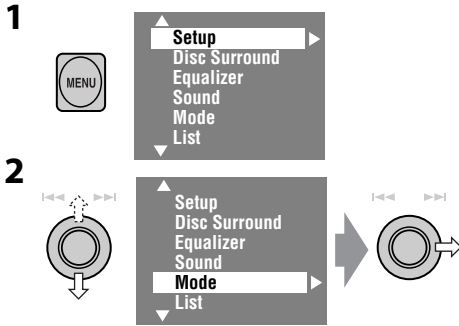
Make sure all important data has been
backed up.

You can operate the SD playback in the same
way you operate the MP3/WMA/JPEG discs
(except the OSD operation and those on the
external monitor).

- For general operational information, see
pages 13 to 21.

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.
 Ex. To select Track Repeat

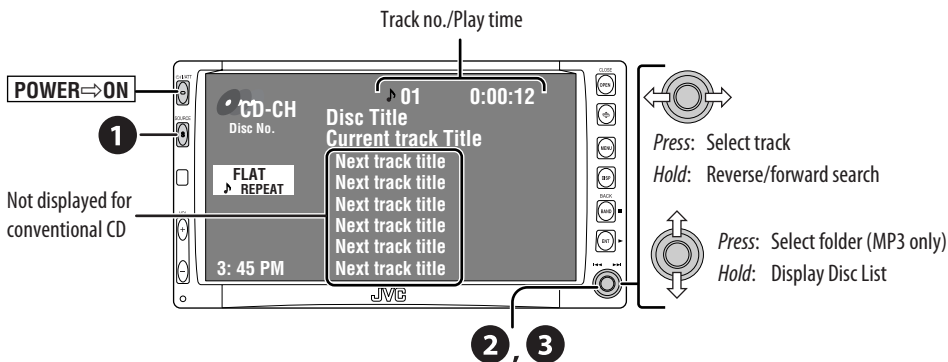


When one of the playback modes is selected, the corresponding indicator lights up on the monitor.

To cancel, select “Off” in step **3** or **4**.

File type	Intro	Repeat	Random
	<p>Track: Plays the first 15 seconds of each track</p> <p>Folder: Plays the first 15 seconds of the first track of each folder</p>	<p>Track: Repeats current track</p> <p>Folder: Repeats all tracks of the current folder</p>	<p>Folder: Randomly plays all tracks of current folder, then tracks of next folders</p> <p>SD: Randomly plays all tracks</p>
	—	<p>Folder: Repeats current folder</p>	—

Listening to the CD changer



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

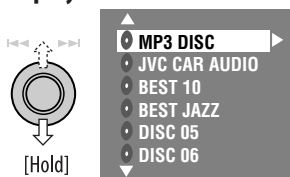
- You can play only CDs (CD-DA) and MP3 discs.

Preparation:

Make sure “Changer” is selected for the external input setting. (☞ page 40)

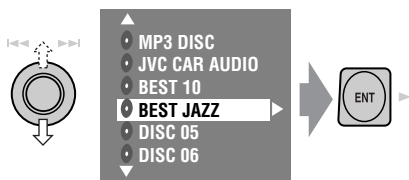
1 Select “CD-CH.”

2 Display the Disc List.



- Each time you keep pushing up or down the knob, you can display the other list of the remaining discs.

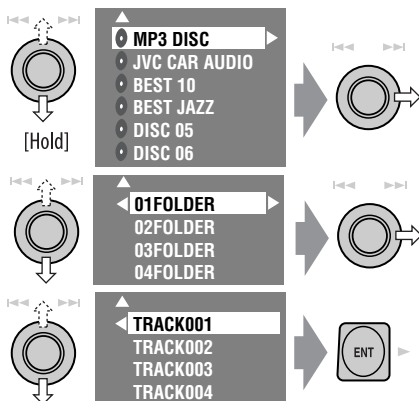
3 Select a disc to start playing.



- When using the remote controller, press...



- While playing an MP3 disc, you can select and start playing a track in the disc using the List: Display List (select the current disc) → Folder List → Track List, then start playing a track you want.



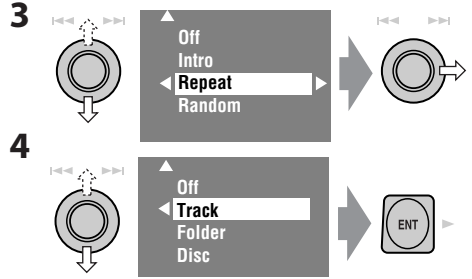
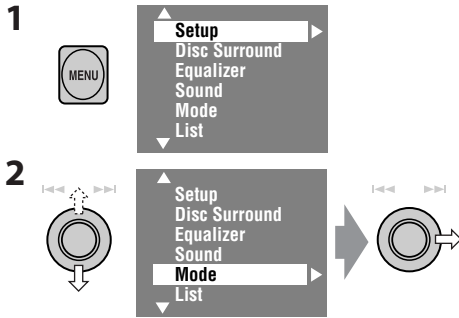
The language on the disc information screen

You cannot display the Chinese characters correctly even though you have selected Simplified Chinese or Traditional Chinese for “Language” (☞ page 37).

Selecting playback modes

You can use only one of the following playback modes—Intro/Repeat/Random.

Ex. To select Track Repeat



When one of the playback modes is selected, the corresponding indicator lights up on the monitor.

To cancel, select “Off” in step 3 or 4.

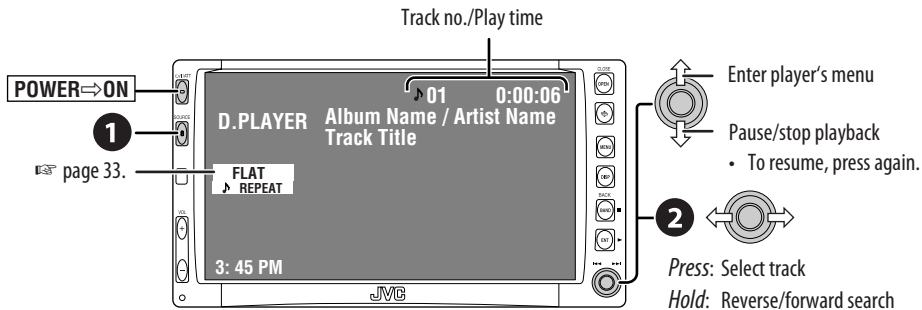
Disc type	Intro	Repeat	Random
	<p>Track: Plays the first 15 seconds of each track</p> <p>Disc: Plays the first 15 seconds of the first track of all loaded discs</p>	<p>Track: Repeats current track</p> <p>Disc: Repeats all tracks of the current disc</p>	<p>Disc: Randomly plays all tracks of the current disc</p> <p>All: Randomly plays all tracks of all loaded discs</p>
	<p>Track: Plays the first 15 seconds of each track</p> <p>Folder: Plays the first 15 seconds of the first track of each folder</p> <p>Disc: Plays the first 15 seconds of the first track of all loaded discs</p>	<p>Track: Repeats current track</p> <p>Folder: Repeats all tracks of the current folder</p> <p>Disc: Repeats all tracks of the current disc</p>	<p>Folder: Randomly plays all tracks of current folder, then tracks of next folders</p> <p>Disc: Randomly plays all tracks</p> <p>All: Randomly plays all tracks of all loaded discs</p>

To use <Mode> menu	above.
To use <List> menu	pages 17 and 29. Display List → Folder List → Track List

You can use the following buttons on the remote controller to operate the CD changer.

- : Select disc.
- : Select folder (MP3 only).
- : Select track.

Listening to the iPod®/D. player



For Apple iPod and JVC D. player, it is required to connect the interface adapter (KS-PD100 or KS-PD500) to the CD changer jack on the rear.

Preparation:

Make sure "iPod" or "D. player" is selected for the external input setting. (page 40)

1 Select "iPod" or "D. PLAYER."

Playback starts automatically.

2 Select a song.

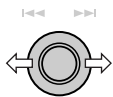
Selecting a track from the player's menu

1 Enter the player's menu.



This mode will be canceled if no operations are done for about 5 seconds.

2 Select the desired menu.



Press: Select an item

Hold: Skip 10 items at a time if more than 10

For iPod:

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

For D. player:

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

3 Confirm the selection.



4 Repeat steps 2 and 3 to select a track.

- When a track is selected finally, playback starts.
- To return to the previous menu...



Selecting playback modes

- When one of the playback modes is selected, the corresponding indicator lights up on the monitor.

1 Display <MENU>, then select <Mode> → <Repeat> or <Random>.

2 Select an appropriate option.

Repeat	One: Functions the same as "Repeat One" or "Repeat Mode → One." All: Functions the same as "Repeat All" or "Repeat Mode → All."
Random	Album: Functions the same as "Shuffle Albums" of the iPod. Song/On: Functions the same as "Shuffle Songs" or "Random Play → On."

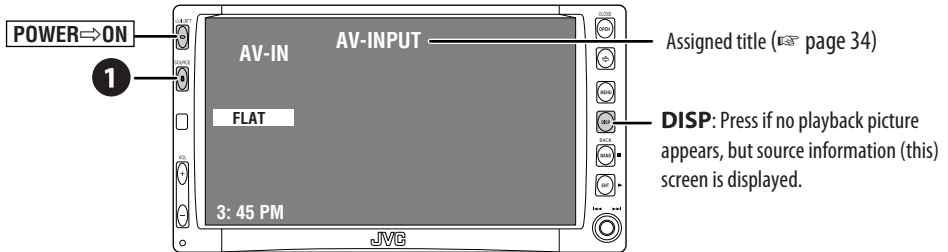
To cancel, select "Off."

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

Listening to other external components

AV-INPUT

You can connect an external component to the LINE IN/VIDEO IN plugs.

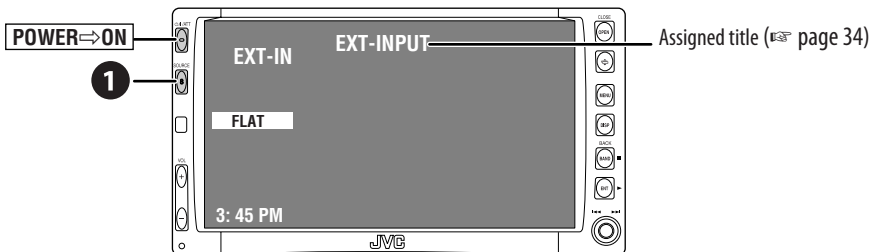


- 1 Select "AV-IN."
- 2 Turn on the connected component and start playing the source.

If you select "Camera Reverse" for "AV Input" (page 40), some status messages such as volume level change will not appear on the monitor while viewing the picture.

EXT-INPUT

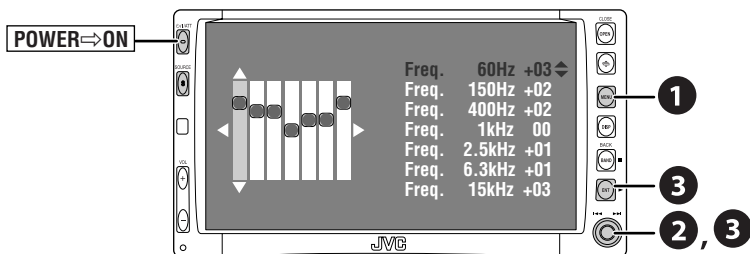
You can connect an external component to the CD changer jack on the rear using the Line Input Adapter—KS-U57 (not supplied) or AUX Input Adapter—KS-U58 (not supplied).



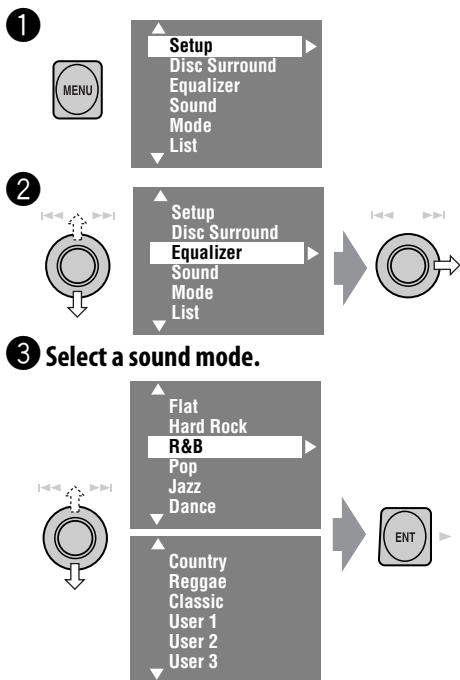
Preparation:

Make sure "External Input" is selected for the external input setting. (page 40)

- 1 Select "EXT-IN."
- 2 Turn on the connected component and start playing the source.



Selecting sound mode

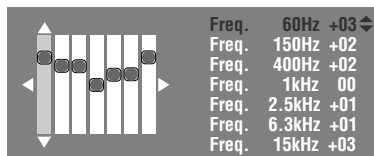


- For preset values of each sound mode, see page 49.
- When surround (see page 21) is activated, sound equalization is temporarily canceled.

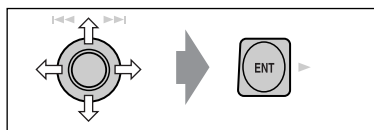
Storing your own adjustment

You can store your adjustment into User 1, User 2, and User 3.

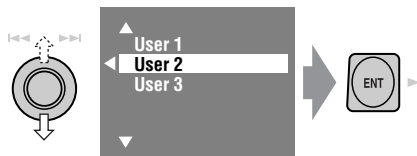
- 1 Repeat steps 1 and 2, then in step 3...



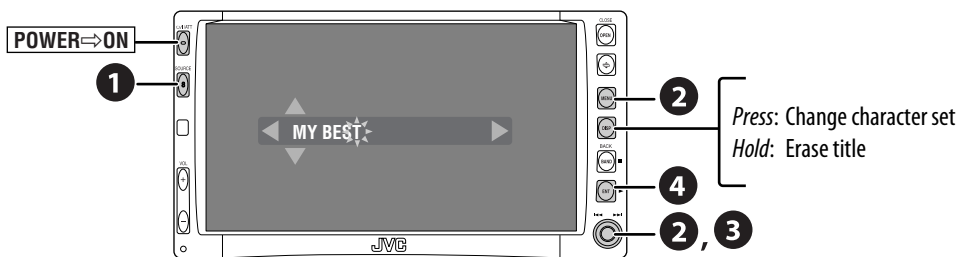
- 2 Adjust.



- 3 Store.



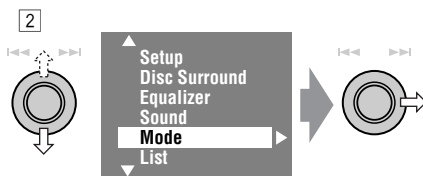
Assigning titles to the sources



You can assign titles to the following...

Sources	Maximum number of characters
AV-INPUT EXT-INPUT	Up to 16 characters.
FM/AM stations	Up to 16 characters—up to 30 stations.
DISC/CD-CH*	Up to 32 characters—up to 30 discs.

* You can assign titles only to conventional CDs.



Ex.: When you select "DISC" as the source



1 Select the sources.

- For FM/AM: Select the band, then tune in to a station.
- For AV-IN/EXT-IN: Select the source.
- For a CD in this receiver: Insert a CD.
- For CDs in the CD changer: Select "CD-CH," then select a disc number.

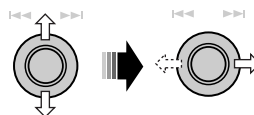
2 Display the title entry screen.

1



3 Assign a title.

1 Select a character, then enter.



- To change the character set, press DISP. (For available characters, see page 43.)

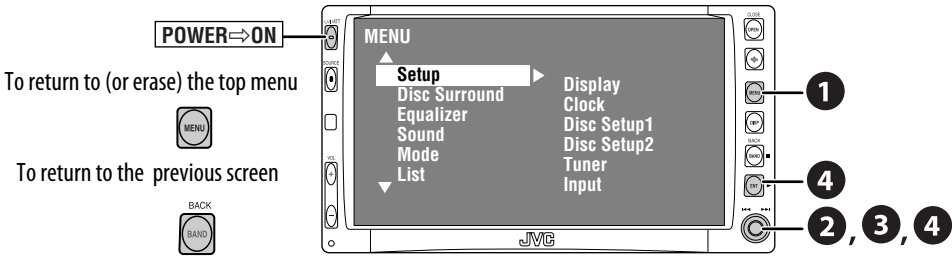
2 Repeat step 1 until you finish entering the title.



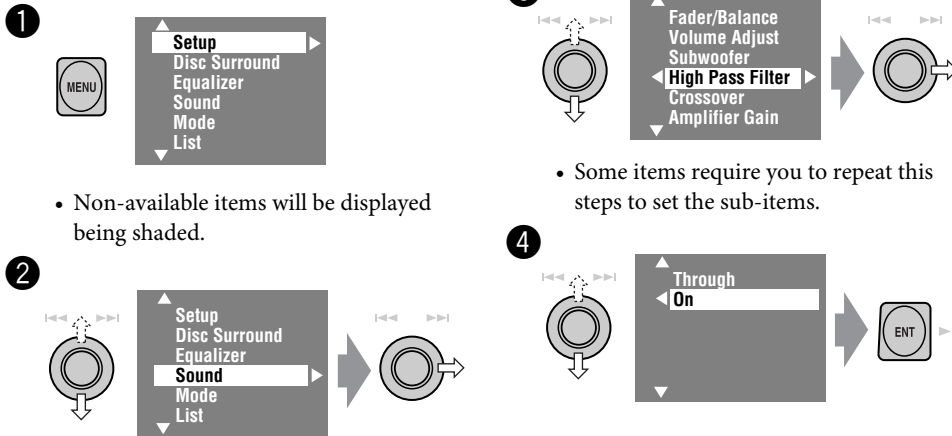
4 Finish the procedure.



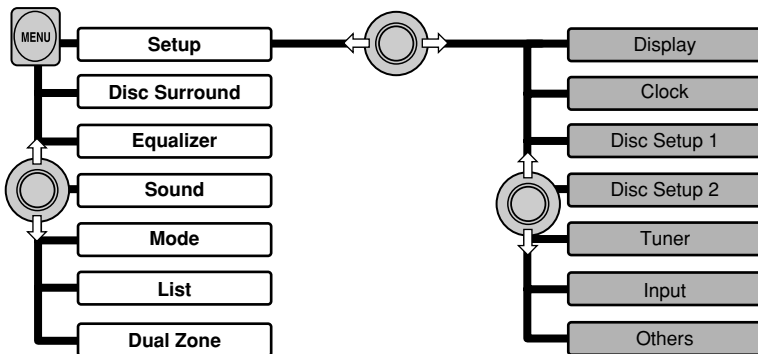
Menu operations

































Ex. Changing the “High Pass Filter” setting



Menu items



Menu items	Selectable settings, [reference page]
Wall Paper	You can select the background picture of the monitor. Standard, Geometric Design, Sea, Simple Green, Simple Orange, Simple Red, Simple Brown, Simple Grey
Level Meter	You can select the level meter you want. Meter 1, Meter 2, Meter 3 • Press DISP repeatedly to display the selected level meter on the monitor.
Scroll	Off: Cancels. Once: Scrolls the disc information once. Auto: Repeats scrolling (5-second intervals). • Holding DISP scrolls the information regardless of this setting.
Tag Display	Off: Cancels. On: Shows the Tag data while playing MP3/WMA/WAV tracks.
Dimmer	Off: Cancels. On: Activates dimmer. Auto: Dims the monitor when you turn on the headlights. Time Set: Sets the Dimmer On/Off times.
Dimmer Level	You can preset the brightness for dimmer. 00 (brightest) to 10 (darkest); Initial 05
Bright	You can adjust color and brightness of the monitor. -15 (darkest) to +15 (brightest); Initial 00
Screen Control ^{*1}	You can adjust the following to make the monitor clear and legible for watching the playback picture. The settings are stored separately for each source—"DISC" and "AV-IN." -15 to +15; Initial 00 Bright: Adjust if the picture is too bright or too dark. Contrast: Adjust the contrast. Color: Adjust the color of the picture—lighter or darker. Tint: For NTSC playback: Adjust the tint if the human skin color is unnatural. For PAL playback: "FIX" appears. This cannot be adjusted.

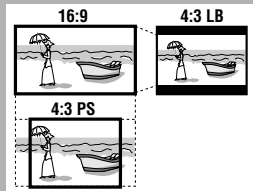
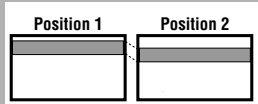
Menu items		Selectable settings, [reference page]																			
Display	Aspect ^{*1}	<p>You can change the aspect ratio of the picture.</p> <table border="1"> <thead> <tr> <th colspan="2">Aspect ratio of incoming signal</th> </tr> <tr> <th>4:3</th> <th>16:9</th> </tr> </thead> <tbody> <tr> <td> Normal: For 4:3 original pictures </td> <td></td> <td></td> </tr> <tr> <td> Full: For 16:9 original pictures </td> <td></td> <td></td> </tr> <tr> <td> Just: </td> <td></td> <td></td> </tr> <tr> <td> Zoom: </td> <td></td> <td></td> </tr> <tr> <td> Auto: </td> <td colspan="2"> <ul style="list-style-type: none"> For “DISC”: Aspect ratio is automatically selected to match to the incoming signals. For the other video sources: Aspect ratio is fixed to “NORMAL.” </td> </tr> </tbody> </table>	Aspect ratio of incoming signal		4:3	16:9	Normal: For 4:3 original pictures			Full: For 16:9 original pictures			Just:			Zoom:			Auto:	<ul style="list-style-type: none"> For “DISC”: Aspect ratio is automatically selected to match to the incoming signals. For the other video sources: Aspect ratio is fixed to “NORMAL.” 	
	Aspect ratio of incoming signal																				
	4:3	16:9																			
	Normal: For 4:3 original pictures																				
	Full: For 16:9 original pictures																				
	Just:																				
Zoom:																					
Auto:	<ul style="list-style-type: none"> For “DISC”: Aspect ratio is automatically selected to match to the incoming signals. For the other video sources: Aspect ratio is fixed to “NORMAL.” 																				
	NTSC/PAL ^{*2}	This setting is valid only to the external monitor connected. Select the color system of the external monitor— NTSC, PAL.																			
	Language ^{*2, *3}	You can select the <MENU> language shown on the monitor— English, Chinese Simple, Chinese Trad.,  [3]																			
Clock	Time Set	 [6]																			
	12Hours/24Hours	12 Hours, 24 Hours,  [6]																			
Disc Setup ^{*4}	Menu Language	Select the initial disc menu language ( also page 42).																			
	Audio Language	Select the initial audio language ( also page 42).																			
	Subtitle	Select the initial subtitle language or erase the subtitle (OFF) ( also page 42).																			

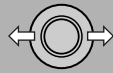
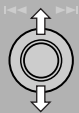
*1 Not adjustable for audio sources.

*2 Turn off the power and turn on it again to make the new setting effective.

*3 Once you have selected Simplified Chinese or Traditional Chinese, Chinese folder/file names and tag data can be displayed on the built-in monitor.

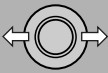

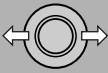

*4 Selectable only for “DISC” or “SD” (while not playing).

Menu items	Selectable settings, [reference page]
OSD Language	Select the on-screen language used for the external monitor connected to the VIDEO OUT plug.
Monitor Type 	Select the monitor type to watch a wide screen picture on the external monitor. <ul style="list-style-type: none"> • 16:9 : Select when the aspect ratio of the external monitor is 16:9. • 4:3LB [Letter Box]/4:3PS [Pan Scan]: Select when the aspect ratio of the external monitor is 4:3. Refer to the illustrations on the left to see how the pictures are shown on the monitor.
OSD Position 	Select the position of the on-screen bar, [23]. <ul style="list-style-type: none"> • 1 : Higher position • 2 : Lower position
File Type	Select playback file type when a disc or an SD card contains different types of files. <ul style="list-style-type: none"> • Audio : Plays back audio files. • Picture : Plays back JPEG files. • Video : Plays back MPEG files (not available for SD cards).

D. (Dynamic) Range Compres. (Compression)*4	You can enjoy a powerful sound at a low volume level while playing Dolby Digital software. <ul style="list-style-type: none"> • Auto : Select to apply the effect to multi-channel encoded software. • On : Select this to always use this function.
Speaker Size*4 Selects the speaker  Adjusts the speaker size 	You can adjust the speaker size setting. <ul style="list-style-type: none"> • Front: Small, Large • Center: None, Small, Large • Rear: None, Small, Large • Sub Woofer: On, Off • Speaker size: “Large” for 13-cm diameter or more; “Small” for 13 cm or less. Regardless of the setting above... <ul style="list-style-type: none"> • No sound comes out of the subwoofer while playing Dolby Pro Logic II Movie or Music if the front speaker is set to “Large.” • No sound comes out of the center speaker when surround is deactivated.






*4 Selectable only for “DISC” or “SD” (while not playing).

*5 Selectable only for “DISC” or “SD.”

Menu items	Selectable settings, [reference page]
<p>Disc Setup 2^{*5}</p> <p>Speaker Level</p> <p>Selects the speaker</p>  <p>Adjusts the speaker level</p> 	<p>You can adjust the output level of the activated speakers (see “Speaker Size” on page 38), monitoring the test tone.</p> <ul style="list-style-type: none"> • Front Left/Center/Front Right/Rear Right/Sub Woofer^{*6}/Rear Left: adjust the output level of each speaker in the range of -10dB to +10dB; Initial 00. • Press and hold ENT to turn on and off the test tone—Test Tone: ON, OFF.
<p>Speaker Distance^{*7}</p> <p>Selects the speaker</p>  <p>Adjusts the speaker distance</p> 	<p>You can adjust the speaker output timing.</p> <ul style="list-style-type: none"> • Front Left/Center/Front Right/Rear Right/Rear Left: adjust the speaker distance from the listening position in the range of 15 cm/6 inches to 600 cm/240 inches in 15-cm/6-inch step. [Initial: 120 cm (for center speaker), 150 cm (for the other speakers)] • Press and hold DISP to change the measuring unit—cm and inch.
<p>Tuner</p> <p>IF Band Width</p>	<ul style="list-style-type: none"> • Auto: Increases the tuner selectivity to reduce interference noises between adjacent stations. (Stereo effect may be lost.) • Wide: Subject to the interference from adjacent stations, but sound quality will not be degraded and the stereo effect will remain.

*6 This subwoofer level setting takes effect only when surround is activated (see also page 41).

*7 Not selectable when only the front speakers are activated.






	Menu items	Selectable settings, [reference page]
Input	AV Input	<p>You can determine the use of LINE IN and VIDEO IN plugs.</p> <p>Off: Select when no component is connected (“AV-IN” is skipped while selecting the source).</p> <p>Audio&Video: Select when connecting an AV component such as a VCR.</p> <p>Audio: Select when connecting an audio component such as an MD player.</p> <p>Camera^{*8}: Select when connecting the rear view camera.</p> <p>Camera Reverse^{*8}: The mirror image of the rear view is displayed on the monitor (The monitor on the receiver only; the normal rear view appears on the external monitor.).</p>
	External Input	<p>When connecting an external component to the CD changer jack on the rear.</p> <p>Changer/iPod/D. player^{*9}: CD changer, iPod, or D. player  [29, 31]</p> <p>External Input: Any other than the above.  [32]</p>
Others	Beep	<p>Off: Cancels.</p> <p>On: Activates the key-touch tone.</p>
	Telephone Muting	<p>Off: Cancels.</p> <p>Muting1, Muting2: Select either one which mutes the sounds while using the cellular phone.</p>
	Power LED Flash	<p>Off: Cancels.</p> <p>On: When the ignition is turned off, the lamp on the /I/ATT button flashes.</p>
Disc Surround ^{*10}	Surround Off	Select to deactivate the surround function.
	Surround On	<p>Select to activate the surround function.  [21]</p> <p>Auto, Dolby PLII Movie, Dolby PLII Music</p> <ul style="list-style-type: none"> When you select “Dolby PLII Music,” you can adjust “Panorama” and “Center Width.”
Equalizer ^{*11}	Flat/Hard Rock/R&B/Pop/Jazz/Dance/Country/Reggae/Classic/User 1/User 2/User 3	 [33]


^{*8} Reverse lamp wire connection is required. See Installation/Connection Manual (separate volume). The rear view through the camera appears on the monitor in “Full” aspect ratio (regardless of the aspect ratio setting) when you shift the gear to the reverse (R) position.

^{*9} The name of the component detected through the CD changer jack is shown.

^{*10} Selectable only for “DISC” and “SD.”




^{*11} Selectable only when surround is deactivated.

	Menu items	Selectable settings, [reference page]
Sound	Fader/Balance Adjusts fader  Adjust balance 	Adjust fader—speaker output balance between the front and rear speakers. <ul style="list-style-type: none"> • Upmost—front only • Downmost—rear only When using a two-speaker system, set the fader to the center (00). Adjust balance—speaker output balance between the left and right speakers. <ul style="list-style-type: none"> • Leftmost—left only • Rightmost—right only
	Volume Adjust	Adjust and store auto-adjustment volume level for each source, comparing to the FM volume level. The volume level will automatically increase or decrease when you change the source. <ul style="list-style-type: none"> • -12 to +12; Initial 00
	Subwoofer	Adjust the settings below in the submenu: <ul style="list-style-type: none"> • Phase: Subwoofer phase. Select either “Normal” or “Reverse,” which reproduces a better sound. • Level*12: Subwoofer output level. Level: -6 to +8; Initial 0
	High Pass Filter	Through: Select when the subwoofer is not connected. On: Select when the subwoofer is connected.
	Crossover	Adjust the crossover frequency between the front/rear speakers and the subwoofer. 80Hz, 120Hz, 150Hz
	Amplifier Gain	You can change the maximum volume level of this receiver. <p>Off: Deactivates the built-in amplifier.</p> <p>Low Power: VOL 00 to 30 (Select this if the maximum power of the speakers is less than 50 W)</p> <p>High Power: VOL 00 to 50</p>
	Rear Speaker *13	You can activate/deactivate the rear speakers. Off, On
Mode*14	Mono	Only for FM. (Off, On),  [10]
	DX / Local	Only for FM. (DX, Local),  [11]
	SSM	Only for FM.  [11]

*12 This subwoofer level setting take effects only when surround is deactivated ( also page 39).

*13 Functions only when Dual Zone is activated.

*14 Items listed under <Mode> vary among the playback sources.

	Menu items	Selectable settings, [reference page]
Mode*14	Title Entry	Only for conventional CDs, FM/AM stations, AV-IN, and EXT-IN.  [34]
	Off/Intro/Repeat/Random	Only for disc playback, SD playback, and iPod/D. player.  [16, 30, 31]
	List	The accessible lists differ depending on the sources.
	Dual Zone	Off, On/Surround Off, On/Surround On,  [24]

*14 Items listed under <Mode> vary among the playback sources.

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
AA	Afar	FA	Persian	KL	Greenlandic	OC	Occitan	ST	Sesotho
AB	Abkhazian	FI	Finnish	KM	Cambodian	OM	(Afan) Oromo	SU	Sundanese
AF	Afrikaans	FJ	Fiji	KN	Kannada	OR	Oriya	SW	Swahili
AM	Ameharic	FO	Faroese	KO	Korean (KOR)	PA	Panjabi	TA	Tamil
AR	Arabic	FY	Frisian	KS	Kashmiri	PL	Polish	TE	Telugu
AS	Assamese	GA	Irish	KU	Kurdish	PS	Pashto, Pushto	TG	Tajik
AY	Aymara	GD	Scots Gaelic	KY	Kirghiz	PT	Portuguese	TH	Thai
AZ	Azerbaijani	GL	Galician	LA	Latin	QU	Quechua	TI	Tigrinya
BA	Bashkir	GN	Guarani	LN	Lingala	RM	Rhaeto-Romance	TK	Turkmen
BE	Byelorussian	GU	Gujarati	LO	Laothian	RN	Kirundi	TL	Tagalog
BG	Bulgarian	HA	Hausa	LT	Lithuanian	RO	Rumanian	TN	Setswana
BH	Bihari	HI	Hindi	LV	Latvian, Lettish	RW	Kinyarwanda	TO	Tonga
BI	Bislama	HR	Croatian	MG	Malagasy	SA	Sanskrit	TR	Turkish
BN	Bengali, Bangla	HU	Hungarian	MI	Maori	SD	Sindhi	TS	Tsonga
BO	Tibetan	HY	Armenian	MK	Macedonian	SG	Sangho	TT	Tatar
BR	Breton	IA	Interlingua	ML	Malayalam	SH	Serbo-Croatian	TW	Twi
CA	Catalan	IE	Interlingue	MN	Mongolian	SI	Singhalese	UK	Ukrainian
CO	Corsican	IK	Inupiak	MO	Moldavian	SK	Slovak	UR	Urdu
CS	Czech	IN	Indonesian	MR	Marathi	SL	Slovenian	UZ	Uzbek
CY	Welsh	IS	Icelandic	MS	Malay (MAY)	SM	Samoan	VI	Vietnamese
DZ	Bhutani	IW	Hebrew	MT	Maltese	SN	Shona	VO	Volapuk
EL	Greek	JI	Yiddish	MY	Burmese	SO	Somali	WO	Wolof
EO	Esperanto	JW	Javanese	NA	Nauru	SQ	Albanian	XH	Xhosa
ET	Estonian	KA	Georgian	NE	Nepali	SR	Serbian	YO	Yoruba
EU	Basque	KK	Kazakh	NO	Norwegian	SS	Siswati	ZU	Zulu

Maintenance

Moisture condensation

Moisture may condense on the lens inside the DVD/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 DVD/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.



- 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.

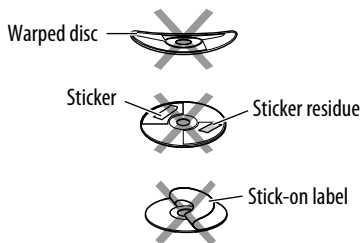
To play new discs

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:



Characters available for text input

In addition to the roman alphabet (A – Z, a – z), the characters in the table can be used. You cannot use Chinese characters.

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

Numbers and symbols

More about this unit

General

Turning on the power

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

Watching picture

- If you change the aspect ratio to “Just,” both sides of the picture are extended horizontally to fit the picture to the monitor size. It may cause the center portion of the picture to look distorted.

FM/AM

Storing stations in memory

- When SSM is over, received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).

Disc

General

- In this manual, words “track” and “file” are interchangeably used.
- This unit can also play back 8 cm discs.
- This unit can only play back audio CD (CD-DA) files if different type of files are recorded in the same disc.

Inserting a disc

- When a disc is inserted upside down, “Disc Error Please Eject” appears on the monitor. Eject the disc.

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.)

Speaker/signal indicators

Speaker indicators	Signal indicators
L C R	L C R
SW	LFE
LS RS	LS S RS

- The speaker indicators—squares around “L,” “R,” “LS,” and “RS” lights in light blue, when the corresponding speakers are set to “Large” or “Small” (☞ page 38).
- The center speaker indicator—square around “C” lights in light blue, when the center speaker is set to “Large” or “Small” and when surround is activated.
- Sounds come out of the speakers whose speaker indicators are lit on the monitor.
- The SW indicator lights up when “Sub Woofer” is set to “On” (☞ page 38).
- The signal indicators indicate the incoming signals—L (front left) / R (front right) / C (center) / LFE (low frequency effect) / LS (left surround) / RS (right surround) / S (monaural surround).
- If the speaker is activated, but the signals corresponding to the speaker are not coming in, the signal indicators changes their color from white to black to indicate no signals coming in (therefore no sound comes through the corresponding speakers).

Changing the source

- If you change the source with Dual Zone deactivated, playback also stops without ejecting the disc. Next time you select “DISC” for the playback source, disc play starts from where it has been stopped previously.

Playing Recordable/Rewritable discs

- This unit can recognize a total of 3 500 files and 250 folders (a maximum of 999 files per folder).
- Use only “finalized” discs.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- This unit can show the Tag data (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for the files.
- This unit may be unable to play back some discs or files due to their characteristics or recording conditions.
- The maximum number of Chinese characters for file/folder names shown on the built-in monitor is 12 – 25 characters (including the extension code). The maximum number differs depending on the character set.

Playing MPEG files

- This unit can play back MPEG files with the extension code <.mpg> or <.mpeg>.
- The stream format should conform to MPEG system/program stream.
- The file format should be MP@ML (Main Profile at Main Level)/SP@ML (Simple Profile at Main Level)/MP@LL (Main Profile at Low Level).
- Audio streams should conform to MPEG1 Audio Layer-2.

Playing JPEG files

- It is recommended that you record a file at 640 x 480 resolution.
- This unit can play back baseline JPEG files. Progressive JPEG files or lossless JPEG files cannot be played.

Playing MP3/WMA/WAV files

- This unit can play back files with the extension code <.mp3>, <.wma>, or <.wav> (regardless of the letter case—upper/lower).
- This unit can play back the files meeting the conditions below:
 - Bit rate: MP3/WMA: 32 kbps — 320 kbps
 - Sampling frequency:
 - 48 kHz, 44.1 kHz, 32 kHz (for MPEG1)
 - 24 kHz, 22.05 kHz, 16 kHz (for MPEG2)
 - 48 kHz, 44.1 kHz, 32 kHz (for WMA)
 - 44.1 kHz (for WAV)
- This unit can play back files recorded in VBR (variable bit rate). Files recorded in VBR have a discrepancy in elapsed time indication.
- This unit cannot play back the following files:
 - MP3 files encoded with MP3i and MP3 PRO 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 AIFF, ATAC3, etc.

Enjoying surround sounds

- If “Surround On” is selected, “MULTI” surround playback automatically starts for multi-channel encoded discs regardless of the “Surround On” setting.
- You cannot activate surround for MPEG multi-channel DVD Video and MPEG 2-channel sources. If “Surround On” is selected, stereo sounds are emitted only through the front speakers. “FRONT 2CH” appears on the disc information screen.
- With “Auto” selected for “Surround On,” stereo playback will start for DVD, DTS-CD, and MPEG 2-channel sources without surround signal encoded. In this case, no sound comes out of the subwoofer.
- When “FIX” appears on the disc information screen, no sound comes out of the subwoofer.

Playing SD cards

- The required recording format is FAT 16/32 and the recommended storage type is 8 MB to 512 MB.

iPod® or D. player operations

- When you turn on this unit, the iPod or D. player is charged through this unit.
- The text information may not be displayed correctly.
 - due to incompatibility of the recorded characters, such as accented letters.
 - due to communication condition between the iPod or D. player and the unit.
- This unit can display up to 40 characters.
- You cannot display the Chinese characters for the text information correctly even though you have selected Simplified Chinese or Traditional Chinese for “Language.”

Notice:

When operating an iPod or a 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>>

Title assignment

- If you try to assign titles to more than 30 radio stations, or 30 CDs, “NAME FULL” flashes for a while. Delete unwanted titles before assignment.
- Titles assigned to CDs in the CD changer can also be shown if you play back the discs in the built-in DVD/CD player and vice versa.

Menu settings

- GB13000 character set is used for displaying tags and other text information when you select “Chinese Simple” for “Language.” When you select “Chinese Trad.” (☞ page 37), Big5 character set is used.
 - Some characters may not be displayed correctly if different character sets are used for the album name and the artist name.
- If you change the “Amplifier Gain” setting from “High Power” to “Low Power” while the volume level is set higher than “30,” the unit automatically changes the volume level to “VOL 30.”
- After you change any of “Menu Language/ Audio Language/Subtitle” settings, turn off then on the power, and re-insert the disc (or insert another disc) so that your setting takes effect.
- When you select “16:9” for a picture whose aspect ratio is 4:3, the picture slightly changes due to the process for converting the picture width.
- Even if “4:3 PS” is selected, the screen size may become “4:3 LB” for some discs.
- When selecting “None” for the center/rear speakers and “Off” for subwoofer (Speaker Size), surround setting is canceled and cannot be adjusted.
- Center speaker size cannot be set to “Large” if both the front and rear speakers are set to “None” or “Small.”

About sounds reproduced through the rear terminals

- Speaker out/analog discrete output (F-OUT/R-OUT/CENTER/SUBWOOFER): Multi-channel signals are emitted for a multi-channel encoded disc. (When Dual Zone is activated, the same signal emitted through 2nd AUDIO OUT plugs are emitted for the main source “DISC.”)
- 2nd AUDIO OUT: 2-channel signal is emitted when Dual Zone is activated. When playing a multi-channel encoded disc, multi-channel signals are downmixed (except for some DVD Audio).

Troubleshooting

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

	Symptoms	Remedies/Causes
General	• No sound comes out of the center speaker.	Center speaker is used only for surround playback. No sound comes out for stereo playback.
	• No sound comes out of the subwoofer while playing in stereo.	This happens while playing some discs with "Auto" selected for "Surround On" (☞ pages 21 and 40). Cancel surround.
	• The monitor is not clear and legible for watching the playback picture.	Sunshine from the windshield may cause this symptom. Adjust "Bright" and "Contrast" of "Screen Control." (☞ page 36).
	• Remote controller does not work.	Deactivate Dual Zone (☞ page 24). (While Dual Zone is activated, the remote controller only functions for operating the DVD/CD player.)
	• "Position Error Push Open Key" appears on the monitor.	The monitor panel angle has been forcibly adjusted, or interrupted while opening or closing. Press OPEN/CLOSE.
	• "Mecha Error Push Reset" appears on the monitor, and the panel does not move.	Reset the unit (☞ page 2).
	• "SD Loading Error" appears on the monitor.	SD is not inserted fully. Fully insert it into the slot to close the monitor panel.
	• The unit does not work at all.	Reset the unit (☞ 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 can be neither recognized nor played .	Eject the disc forcibly (☞ page 2).
	• Disc cannot be ejected.	Unlock the disc (☞ page 17).
	• Recordable/Rewritable discs cannot be played back. • Tracks on the Recordable/Rewritable discs cannot be skipped.	<ul style="list-style-type: none"> • Insert a finalized disc. • Finalize the discs with the component which you used for recording.
	• "Disc Error Please Eject" appears on the monitor.	Insert the disc correctly again.
	• "Eject Error" or "Loading Error" appears on the monitor.	Changing the source by pressing SOURCE will solve this error.
	• Sound and pictures are sometimes interrupted or distorted.	<ul style="list-style-type: none"> • Stop playback while driving on rough roads. • Change the disc.
	• No playback picture appears on the monitor.	Parking brake wire is not connected properly. (☞ Installation/Connection Manual.)
	• The external monitor shows black and white wavy pictures.	"NTSC/PAL" setting is not correct. Select an appropriate setting (☞ page 37).
• "Region Error Please Eject" appears on the monitor when you insert a DVD Video.	Region code is not correct (☞ page 5).	

	Symptoms	Remedies/Causes
MP3/WMA/WAV playback	<ul style="list-style-type: none"> • Disc cannot be played back. 	<ul style="list-style-type: none"> • Change the disc. • Record the tracks using a compliant application in the appropriate discs (☞ page 4). • Add appropriate extension codes to the file names.
	<ul style="list-style-type: none"> • Noise is generated. 	The track played back is not a playable file format. Skip to another file.
	<ul style="list-style-type: none"> • Tracks cannot playback as you have intended them to play. 	Playback order may differs from the one played back using other players.
	<ul style="list-style-type: none"> • Elapsed playing time is not correct. 	This sometimes occurs during playback. This is caused by how the tracks are recorded.
	<ul style="list-style-type: none"> • “Disc No Files Please Eject” appears on the monitor. 	Insert a disc that contains tracks of proper formats.
SD card playback	<ul style="list-style-type: none"> • Noise is generated. 	The track played back is not a playable file format. Skip to another file.
	<ul style="list-style-type: none"> • Tracks cannot playback as you have intended them to play. 	Playback order may differs from the one played back using other players.
	<ul style="list-style-type: none"> • “Now Reading” keeps flashing on the monitor. 	<ul style="list-style-type: none"> • Readout time varies depending on the SD card. • Do not use too many hierarchy and folders. • Turn off the power then on again.
	<ul style="list-style-type: none"> • “SD No Files Please Eject” appears on the monitor, then returns to the previous source. 	Insert an SD card that contains tracks encoded in an appropriate format.
	<ul style="list-style-type: none"> • “Not Support” appears on the monitor and track is skipped. 	Track is unplayable.
	<ul style="list-style-type: none"> • “SD Error Please Eject” appears on the monitor, then returns to the previous source. 	<ul style="list-style-type: none"> • SD card may be malfunctioning, or may not have been formatted correctly. • Do not pull out or attach the SD card while “Now Reading” is shown.
CD changer	<ul style="list-style-type: none"> • “No Disc” appears on the monitor. 	Insert a disc into the magazine.
	<ul style="list-style-type: none"> • “No Magazine” appears on the monitor. 	Insert the magazine.
	<ul style="list-style-type: none"> • “No Files” appears on the monitor. 	Disc does not include playable files. Replace the disc with playable files.
	<ul style="list-style-type: none"> • “Reset 08” appears on the monitor. 	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 monitor. 	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 (☞ page 2).

	Symptoms	Remedies/Causes
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. Charge the battery. For D. player: Update the firmware version.
	<ul style="list-style-type: none"> The sound is distorted. 	Deactivate the equalizer either on this unit or the iPod/D. player.
	<ul style="list-style-type: none"> “Disconnect” appears on the monitor. 	Check the connecting cable and its connection.
	<ul style="list-style-type: none"> For iPod: Playback stops. 	The headphones are disconnected during playback. Restart playback.
	<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 monitor 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 monitor. 	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 monitor. 	Disconnect the adapter from both this unit and iPod/D. player. Then, connect it again.
	<ul style="list-style-type: none"> “RESET 08” appears on the monitor. 	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.
AV-IN	<ul style="list-style-type: none"> “No Signal” appears on the monitor. 	<ul style="list-style-type: none"> Turn on the video component if it is not on. This unit is not connected to the video component correctly. Connect it correctly.

Sound mode	Preset equalizing values						
	60 Hz	150 Hz	400 Hz	1 kHz	2.5 kHz	6.3 kHz	15 kHz
Flat	00	00	00	00	00	00	00
Hard Rock	+03	+03	+01	00	00	+02	+01
R&B	+03	+02	+02	00	+01	+01	+03
Pop	00	+02	00	00	+01	+01	+02
Jazz	+03	+02	+01	+01	+01	+03	+02
Dance	+04	+02	00	-02	-01	+01	+01
Country	+02	+01	00	00	00	+01	+02
Reggae	+03	00	00	+01	+02	+02	+03
Classic	+02	+03	+01	00	00	+02	00
User 1/2/3	00	00	00	00	00	00	00

Specifications

AMPLIFIER	Maximum Power Output:	Front/Rear:	50 W per channel
	Continuous Power Output (RMS):	Front/Rear:	20 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)
	Equalizer Control Range:	Frequencies:	60 Hz, 150 Hz, 400 Hz, 1 kHz, 2.5 kHz, 6.3 kHz, 15 kHz
		Level:	± 10 dB
	Signal-to-Noise Ratio:		70 dB
	Audio Output Level (F-OUT/R-OUT/CENTER/SUBWOOFER):	Line-Out Level/Impedance:	2.5 V/20 k Ω load (full scale)
		Output Impedance:	1 k Ω
	Color System:		PAL/NTSC
	Video Output (composite):		1 V _p -p/75 Ω
Other Terminals:	Input:	LINE IN, VIDEO IN, Antenna input	
	Output:	2nd AUDIO OUT	
	Others:	CD changer, AV BUS	

FM/AM TUNER	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:	35 dB
	AM Tuner	Sensitivity/Selectivity:	20 μ V/35 dB

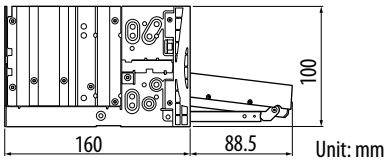
DVD/CD	Signal Detection System:	Non-contact optical pickup (semiconductor laser)	
	Frequency Response:	DVD, fs=48 kHz:	16 Hz to 22 000 Hz
		DVD, fs=96 kHz:	16 Hz to 44 000 Hz
		VCD/CD:	16 Hz to 20 000 Hz
	Dynamic Range:	93 dB	
	Signal-to-Noise Ratio:	95 dB	
Wow and Flutter:	Less than measurable limit		

MONITOR	Screen Size:	6.5 inch wide liquid crystal display	
	Number of Pixel:	280 800 pixels: 400 (horizontal) × 3 × 234 (vertical)	
	Drive Method:	TFT (Thin Film Transistor) active matrix format	
	Color System:	PAL/NTSC	
	Aspect Ratio:	16:9 (wide)	
	Allowable Storage Temperature:	-10°C to +60°C	
	Allowable Operating Temperature:	0°C to +40°C	

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.):	178 mm × 100 mm × 160 mm	
		Panel Size (approx.):	170 mm × 93 mm × 29 mm	
	Mass (approx.):	2.6 kg (excluding accessories)		

Design and specifications are subject to change without notice.

Required space for the monitor ejection



CAUTION: When ejecting the monitor, keep an open space for the monitor to come out. If not, the monitor may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.



**Having TROUBLE with operation?
Please reset your unit**

Refer to page of How to reset your unit

**在操作时遇到麻烦了？
请重设本机**

参阅如何重设本机之页

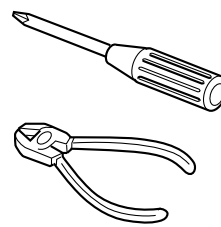
JVC



EN, CS

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0506MNMDWJEIN



ENGLISH

This unit is designed to operate only on **12 V DC, NEGATIVE ground electrical systems**. If your vehicle does not have this system, a voltage inverter is required, which can be purchased at JVC car audio dealers.

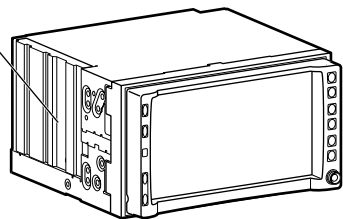
WARNINGS

- DO NOT install any unit in locations where;
 - it may obstruct the steering wheel and gearshift lever operations, as this may result in a traffic accident.
 - it may obstruct the operation of safety devices such as air bags, as this may result in a fatal accident.
 - it may obstruct visibility.
- DO NOT operate any unit while manipulating the steering wheel, as this may result in a traffic accident.
- The driver must not watch the monitor while driving.
If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.
- If you need to operate the unit while driving, be sure to look ahead carefully or you may be involved in a traffic accident.
- If the parking brake is not engaged, "Parking Brake" appears on the monitor for a while, and no playback picture will be shown.
 - This warning appears only when the parking brake wire is connected to the parking brake system built in the car.

Notes on electrical connections

- Replace the fuse with one of the specified rating. If the fuse blows frequently, consult your JVC car audio dealer.
- Maximum input of the speakers should be more than 50 W at the rear and 50 W at the front, with an impedance of **4 Ω to 8 Ω**.
- **Be sure to ground each unit to the car's chassis.**
- To prevent short-circuit, cover the terminals of the UNUSED leads with insulating tape.
- The unit become very hot after use. Be careful not to get burned when removing them.

Heat sink
散热片



中文

本机仅可使用**直流 12 V、负极接地的电源系统**。如果您的车辆没有这一电源系统，则需要一个电压变换器，可以在 JVC 汽车音响分销商处买到。

警告

- 切勿将本机安装在下述位置；
 - 可能会妨碍操作方向盘和变速排档杆的位置，否则可能引发交通事故。
 - 可能会妨碍操作安全装置，如安全气囊等的位置，否则可能引发致命的交通事故。
 - 可能会妨碍视野的位置。
- 切勿在操作方向盘的过程中操作本机，否则可能引发交通事故。
- 驾驶员在驾驶过程中切勿观看显示器。
若驾驶员在驾驶过程中观看显示器，可能因为注意力不集中而导致意外事故的发生。
- 若您需要在驾驶时操作本机，请务必小心注意前方，否则您可能会导致意外。
- 若手刹车未啮合，“Parking Brake”字样在显示器上出现，且无法播放图像。
 - 仅当手刹车导线与汽车内置的手刹车系统相连接时此警告信息才会出现。

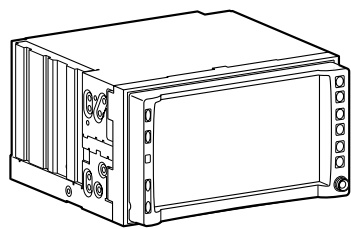
进行电路连接时注意

- 把保险丝更换为额定负荷值的保险丝。如果保险丝经常烧坏，请向 JVC 汽车音响分销商询问。
- 扬声器的最大输入应该是后置扬声器超过 50 W，以及前置扬声器为 50 W，其阻抗为 **4 Ω 至 8 Ω**。
- **务必将每一机件的地线接至车身。**
- 为防止电源短路，请用绝缘带包住未使用电线的端子。
- 本机在使用过后会变得很热。拆卸时小心别被烫伤。

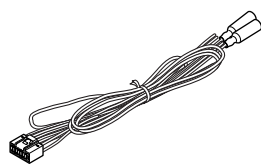
Parts list for installation and connection

The following parts are provided for this unit.
If anything is missing, contact your dealer immediately.

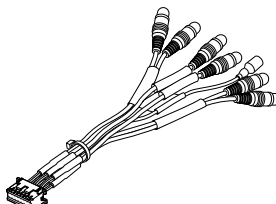
Main unit
主机



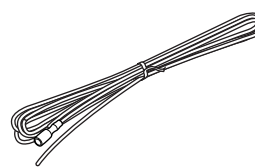
Power cord
电路连接用的配线束



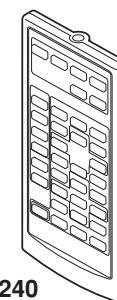
AV I/O cord
音频视频输入输出电缆



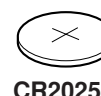
Reverse gear signal extension cord
倒车挡信号延长电缆



Remote controller
遥控器

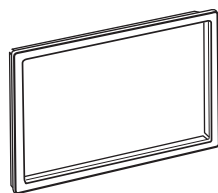


Battery
电池



CR2025

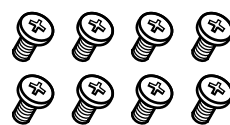
Plate for use with a Nissan car
用于日产汽车的框



Flat head screws (M5 x 8 mm)
平头螺丝 (M5 x 8 mm)



Round head screws (M5 x 8 mm)
圆头螺丝 (M5 x 8 mm)



RM-RK240



Crimps
卷曲连接器

TROUBLESHOOTING

- **The fuse blows.**
 - * Are the red and black leads connected correctly?
- **Power cannot be turned on.**
 - * Is the yellow lead connected?
- **No sound from the speakers.**
 - * Is the speaker output lead short-circuited?
- **Sound is distorted.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?
- **Noise interfere with sounds.**
 - * Is the rear ground terminal connected to the car's chassis using shorter and thicker cords?
- **Unit becomes hot.**
 - * Is the speaker output lead grounded?
 - * Are the “-” terminals of L and R speakers grounded in common?

故障排除

- **保险丝烧断。**
 - * 检查红色导线接头和黑色导线接头是否连接正确？
- **电源不能接通。**
 - * 检查黄色导线接头是否接上？
- **扬声器没有声音。**
 - * 检查扬声器输出导线接头是否短路？
- **声音失真。**
 - * 检查扬声器输出端子是否接地？
 - * 检查扬声器的左 (L)、右 (R) 端子的负极 (-) 是否共同接地？
- **噪音干扰音响。**
 - * 后接地端子与车身是否使用较短和较粗的电线连接？
- **本机发热。**
 - * 检查扬声器输出端子是否接地？
 - * 检查扬声器的左 (L)、右 (R) 端子的负极 (-) 是否共同接地？

INSTALLATION (IN-DASH MOUNTING)

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

- If you are not sure how to install this unit correctly, have it installed by a qualified technician.

Before installing the unit

- When mounting the unit, be sure to use the screws provided, as instructed. If other screws are used, there is a possibility that parts could become loose or damaged.
- When tightening screws or bolts be careful not to pinch any connection cord.
- Make sure not to block the fan on the rear panel to maintain proper ventilation when installed.

安装（装设、固定在仪表板内）

下面的图解表示了典型的安装程序。但是在实际安装时，您应该根据您的汽车作适当的调整。如果您有问题，或需要有关配套元件的资料，请向 JVC 汽车音响分销商或配套元件供应公司询问。

- 如果您不能确定如何正确地安装本机，应请合格的技术人员来安装。

安装本机之前

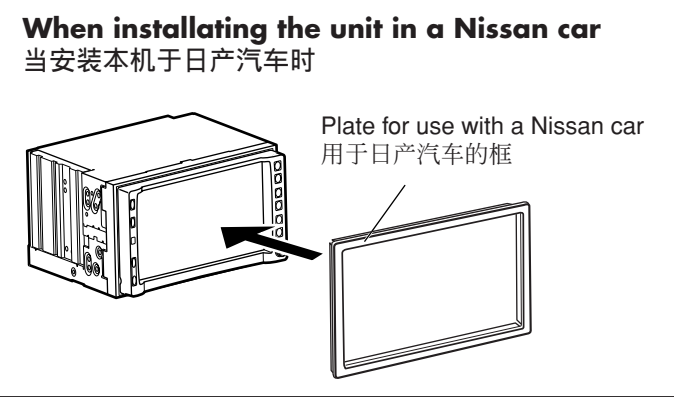
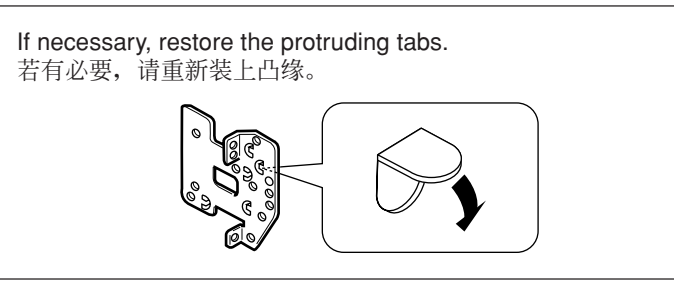
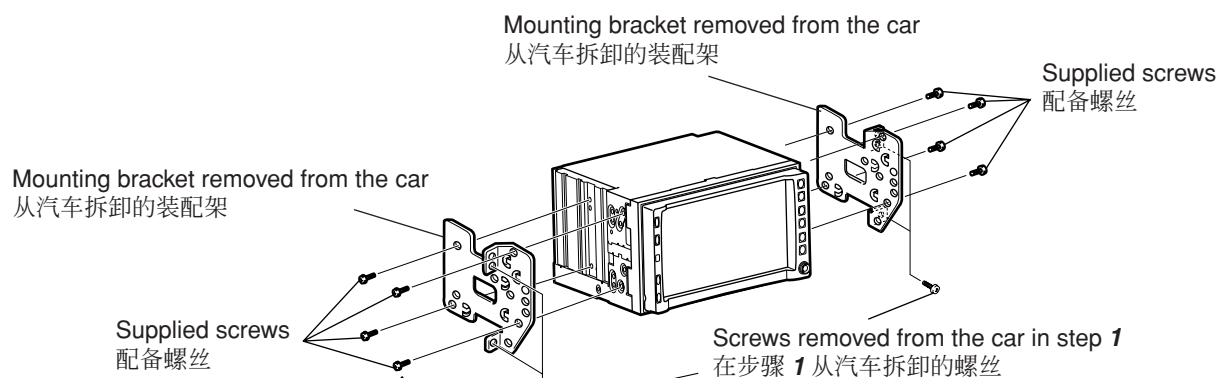
- 当装上本机时，必须按照指示使用配备的螺丝钉。如果使用其他螺丝钉，相关零件可能会锁不紧或损坏。
- 当锁紧螺丝钉或螺栓时，切记不要压挤到任何连接电线。
- 当安装后，切记不要阻挡到后面板的风扇以维持适当的通风。

- 1 Remove the audio system originally installed in the car, together with its mounting brackets.
Note: Be sure to keep all the screws and parts removed from your car for future use.
- 2 Attach the mounting brackets (removed from the car), to this unit (see below).
- 3 Connect the power cord and AV I/O cord
 - See page 3 for the power cord connection.
 - See page 4 for the AV I/O connection.
- 4 Install this unit using the screws removed in step 1.

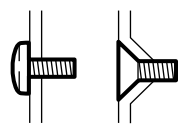
- 1 拆卸原本安装在汽车内的音响系统，以及其装配架。
备注：请务必保留所有从您汽车拆卸的螺丝和零件作日后使用。
- 2 将（从汽车拆卸的）装配架安上本机（请看下图）。
- 3 连接电源线和音频视频输入输出电缆。
 - 请参阅第 3 页有关电源线连接。
 - 请参阅第 4 页有关音频视频输入输出连接。
- 4 使用在步骤 1 拆卸的螺丝安装本机。

The following example is for installation in a Toyota car. For more details, consult your JVC car audio dealer.

以下以丰田（Toyota）汽车安装为例。请联络您的 JVC 汽车音响分销商有关更多细节。

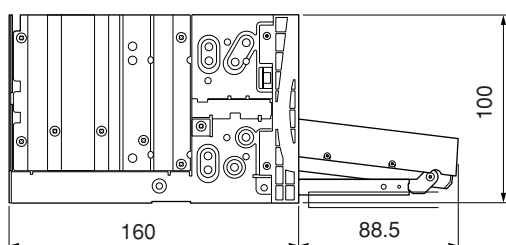


Select the appropriate type fitting to your audio system space.
选择适合您的音响系统安装空间的型号。



Note : When installing the unit on the mounting bracket, make sure to use the supplied screws (M5 x 8 mm). If longer screws are used, they could damage the unit.
备注 : 安装本机进装配架时，请务必使用配备的螺丝（M5 x 8 mm）。若使用比较长的螺丝，有关螺丝可能会损坏本机。

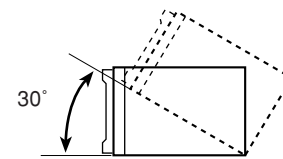
Required space for the monitor ejection 拆卸屏幕所需之空间



Unit: mm
单位: mm (毫米)

Install the unit at an angle of less than 30°, taking it into account that the monitor would eject when in use (see below).

将本机安装在少于 30° 的角度，您必须考虑到屏幕可以在使用时弹出（请看下图）。



ELECTRICAL CONNECTIONS

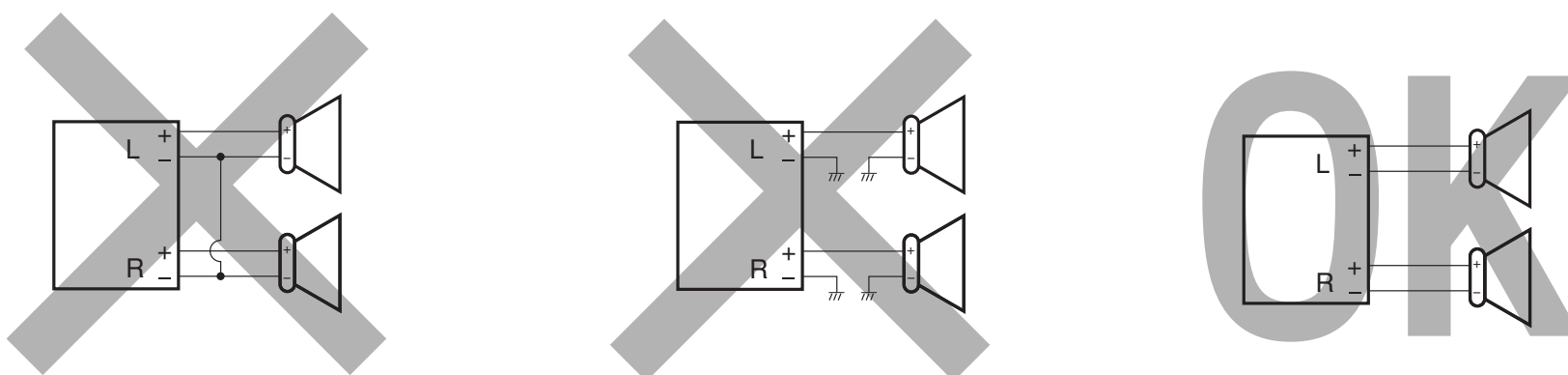
PRECAUTIONS on power supply and speaker connections:

- DO NOT connect the speaker leads of the power cord to the car battery; otherwise, the units will be seriously damaged.
- BEFORE connecting the speaker leads of the power cord to the speakers, check the speaker wiring in your car.

电路连接

电源和扬声器接线注意事项:

- 切勿把扬声器导线接头接至电池；否则本机将会严重损坏。
- 在把扬声器导线接头接至扬声器之前，检查您汽车上的扬声器线路。



Before connecting...

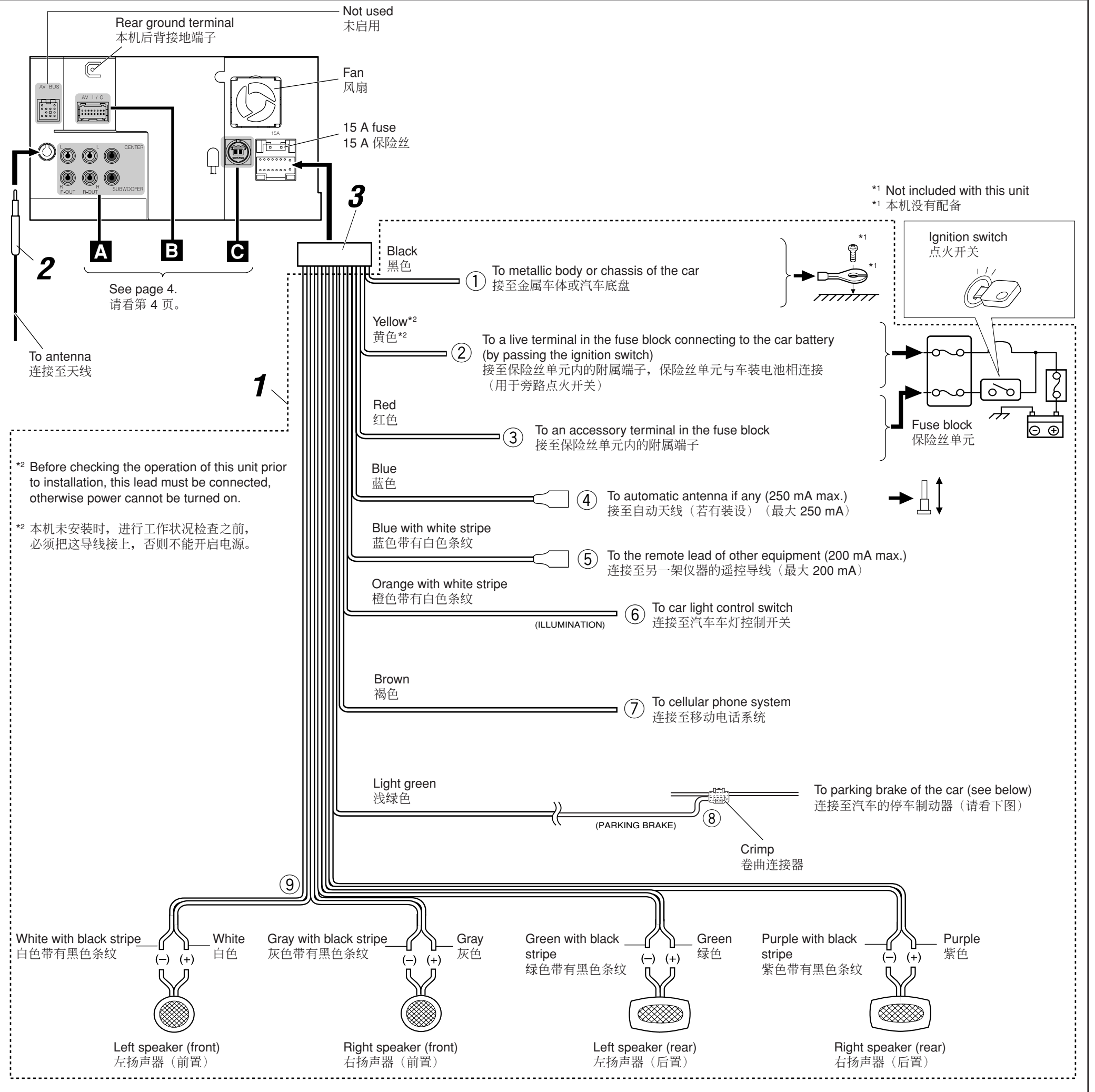
Check the wiring in the car carefully. Incorrect connection may cause serious damage to the units. The leads of the power cord and those of the connector from the car body may be different in color.

- 1 Connect the colored leads of the power cord in the order specified in the illustration below.
- 2 Connect the antenna cord.
- 3 Connect the wiring harness to the main unit.

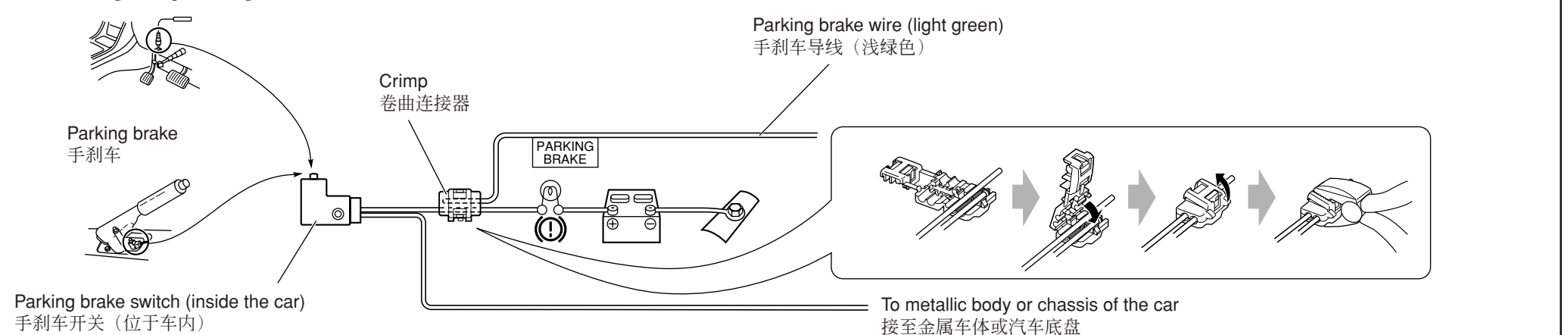
接线前...

仔细检查汽车内的线路。不正确的接线会导致本机严重损坏。电力线的引线和车身的连接器引线在颜色上可能有所不同。

- 1 依照下图所示之次序连接电源线的颜色导线。
- 2 将天线的电线连接起来。
- 3 将线束连接至主机。



Connecting the parking brake wire / 连接至手刹车导线



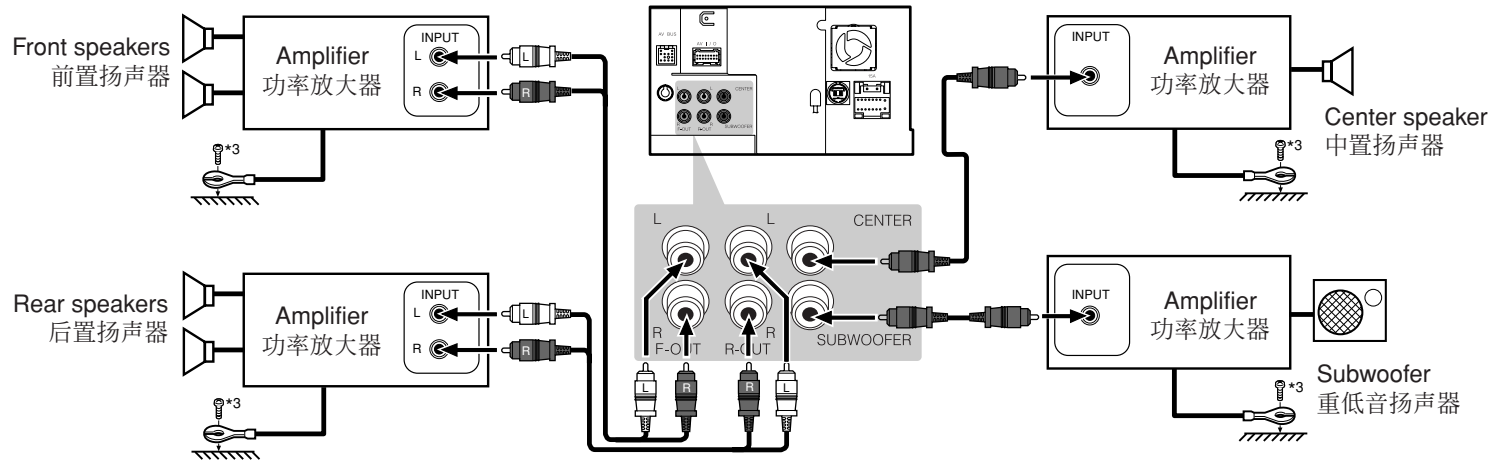
A Connecting the external amplifiers / 连接至外接功率放大器

You can connect amplifiers to upgrade surround system in the car compartment.

- Connect the amplifiers to 5.1-ch analog discrete output jacks to enjoy multi-channel source (DVD Video/DVD Audio).
- To activate the center speaker, see page 38 of the INSTRUCTIONS.
- **Disconnect the speakers from the main unit, and connect them to the amplifier. Leave the speaker leads of the unit unused.**

您可以连接功率放大器以提升车厢内的环绕音响系统。

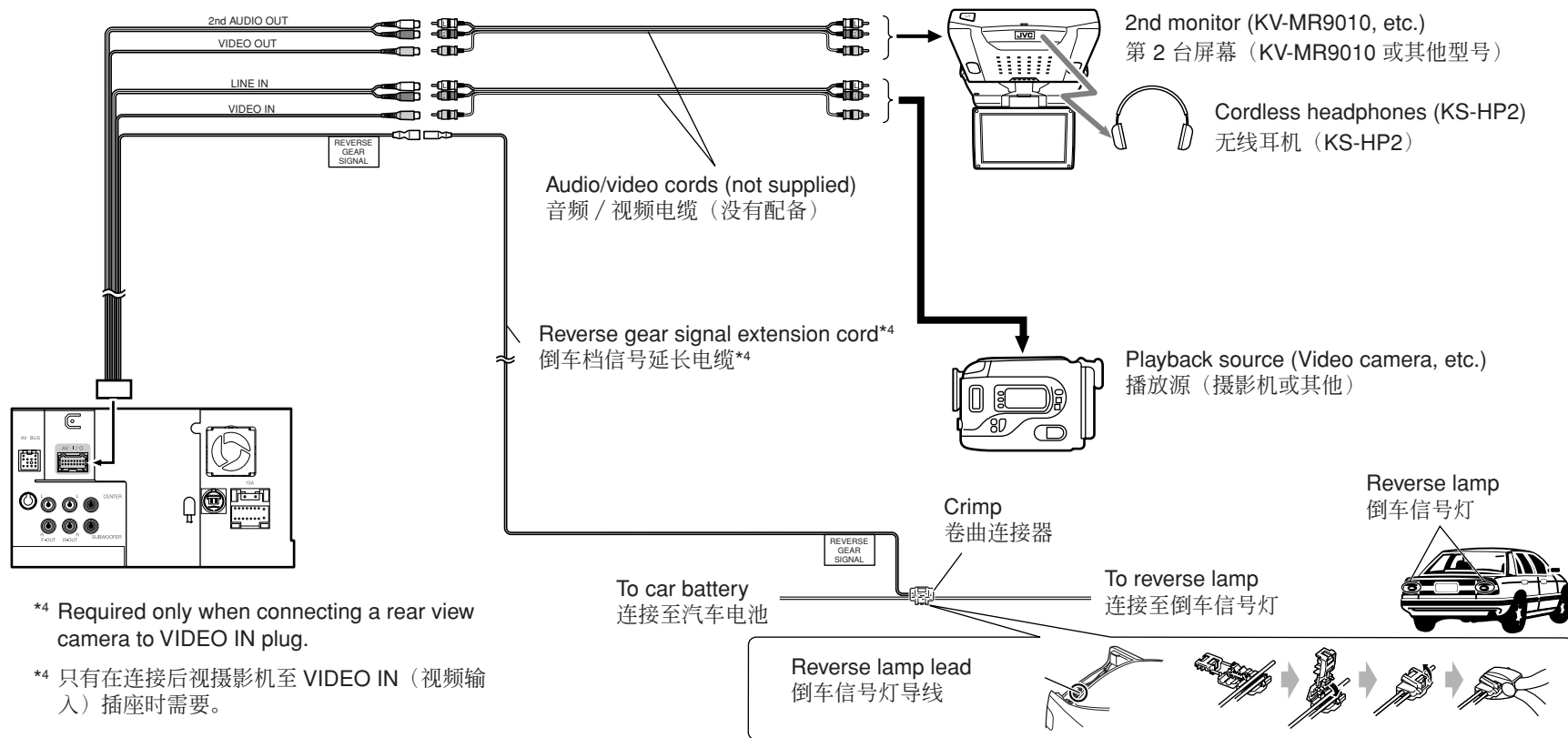
- 将功率放大器连接至 5.1 频道模拟离散输出插座以享受多频道音源 (DVD 视频 / DVD 音频)。
- 若要激活中置扬声器, 请参阅第 38 页的指示。
- 将扬声器和本机断开, 再接上功率放大器。将本机的扬声器接线放置不用。



*3 Firmly attach the ground wire to the metallic body or to the chassis of the car—to the place uncoated with paint (if coated with paint, remove the paint before attaching the wire). Failure to do so may cause damage to the unit.

*3 将地线与金属车体或者汽车底盘紧密连接, 连接处应该没有被油漆覆盖 (如果已涂上油漆, 在连接电线前, 将油漆刮去)。如果不这样做, 可能会损坏本机。

B Connecting the AV I/O cord / 连接至音频视频输入输出电缆



*4 Required only when connecting a rear view camera to VIDEO IN plug.

*4 只有在连接后视摄影机至 VIDEO IN (视频输入) 插座时需要。

C Connecting the external components / 连接其他外接组件

CAUTION:

Before connecting the external components, make sure that the unit is turned off.

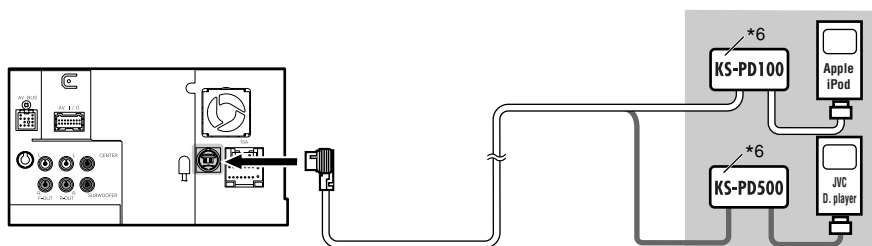
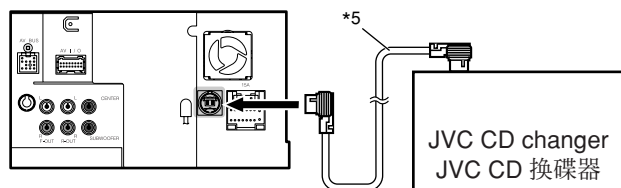
小心:

连接外接组件之前, 先确定本机已经关闭。

CD changer, Apple iPod®, or JVC D. player / CD 换碟器、Apple iPod® 或 JVC D. player

Set the external input setting correctly—either to “Changer,” “iPod,” or “D. player” (See page 40 of the INSTRUCTIONS.)

正确地设置外接输入设置—“Changer” (换碟器)、“iPod”或“D. player” (请参阅第 40 页的指示。)

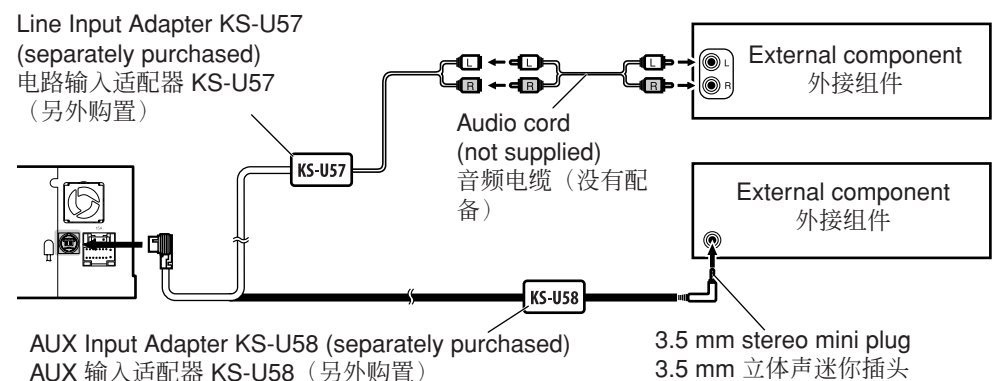


*5 Connecting cord supplied for your CD changer
*5 您的 CD 换碟器配备的连接电缆

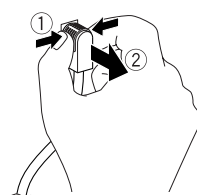
*6 KS-PD100/KS-PD500 (separately purchased)
*6 KS-PD100/KS-PD500 (另外购置)

Other external component / 其他外接组件

Select “External Input” for the external input setting (See page 40 of the INSTRUCTIONS.)
选择“External Input” (外接输入) 作为外接输入设置 (请参阅第 40 页的指示。)



- iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.
- iPod 是 Apple Computer, Inc. (苹果电脑公司) 在美国及其他国家注册的商标。



To disconnect the connector
Hold the connector top tightly (①), then pull it out (②).

若要拆除连接器
握紧连接器顶部 (①), 然后将之拉出 (②)。