JVC

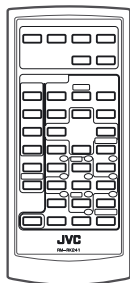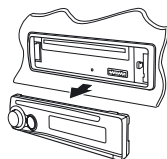**DVD/CD RECEIVER**

KD-DV5302/KD-DV5301

Detachable

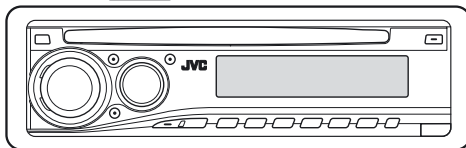WMA   MP3   WAV   DOLBY DIGITAL   dts Digital Out

DVD VIDEO   COMPACT disc DIGITAL VIDEO   DivX   DivX ULTRA   R·D·S

JVC

For canceling the display demonstration, see page 5.

For installation and connections, refer to the separate manual.

INSTRUCTIONS

Thank you for purchasing a JVC product.
Please read all instructions carefully before operation, to ensure your complete understanding and to obtain the best possible performance from the unit.

IMPORTANT FOR LASER PRODUCTS

1. CLASS 1 LASER PRODUCT
2. **CAUTION:** Do not open the top cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
3. **CAUTION:** Visible and/or invisible class 1M laser radiation when open. Do not view directly with optical instruments.
4. REPRODUCTION OF LABEL: CAUTION LABEL, PLACED OUTSIDE THE UNIT.

| CAUTION	ATTENTION	AVISO	VARNING	注意	CAUTION
VISIBLE AND/OR INVISIBLE CLASS 1M LASER RADIATION WHEN OPEN. DO NOT VIEW DIRECTLY WITH OPTICAL INSTRUMENTS. IEC60825-1:2001 (ENG)	RAYONNEMENT LASER VISIBLE ET/OU INVISIBLE DE CLASSE 1M UNE FOIS OUVERT. NE PAS REGARDER DIRECTEMENT AVEC DES INSTRUMENTS OPTIQUES. (FRA)	RADIACIÓN LÁSER DE CLASE 1M VISIBLE Y/O INVISIBLE CUANDO ESTÁ ABIERTO. NO MIRAR DIRECTAMENTE CON INSTRUMENTAL ÓPTICO. (ESP)	SYNLIG OCH/ELLER OSYNLIG LASERSTRÅLNING, KLASS 1M, NÄR DENNA DEL ÄR ÖPPNAD. BETRAKTA EJ STRÅLEN MED OPTISKA INSTRUMENT. (SWE)	ここを開くと可視及び/または不可視のクラス1Mレーザー放射が出ます。光学器械で直接見ないでください。(JPN)	VISIBLE AND/OR INVISIBLE CLASS II LASER RADIATION WHEN OPEN. DO NOT STARE INTO BEAM. FDA 21 CFR (ENG)

[European Union only]

How to forcibly eject a disc

(1)/I
ATT   [▬]   +   [▲]
              [Hold]
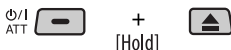
• Be careful not to drop the disc when it ejects.
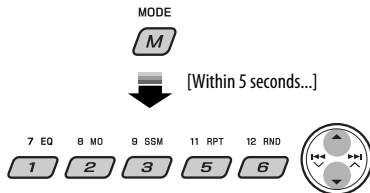• If this does not work, reset your unit.

How to reset your unit
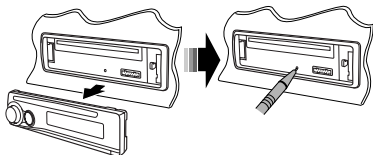
• Your preset adjustments will also be erased.

How to use functions mode

If you press M MODE, the unit goes into functions mode, then the number buttons and ▲/▼ buttons work as different function buttons.

MODE
[M]

[Within 5 seconds...]

7 EQ   8 MO   9 SSM   11 RPT   12 RND
[1]   [2]   [3]   [5]   [6]

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.**
  If the parking brake is not engaged, "DRIVER MUST NOT WATCH THE MONITOR WHILE DRIVING." appears on the monitor, 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 (refer to the Installation/Connection Manual).**

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.

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.

CONTENTS

INTRODUCTIONS

OPERATIONS

EXTERNAL DEVICES

SETTINGS

REFERENCES

Playable disc type

Disc type	Recording format, file type, etc	Playable
DVD	DVD-Video (Region Code numbers include "2") *1 ALL 2 1 2 1 2 3 4	✓OK
	DVD-Audio/DVD-ROM	✗NO
DVD Recordable/Rewritable (DVD-R *2**/-RW, +R/+RW** *3**)**	DVD-Video	✓OK
	DivX Video	
	MPEG-1/MPEG-2 Video	
	MP3/WMA/WAV	
	JPEG/MPEG4	✗NO
	DVD-VR, +VR	
DVD-RAM	All	✗NO
Dual Disc	DVD side	✓OK
	Non-DVD side	✗NO
CD/VCD	Audio CD (CD-DA)/DTS-CD *4	✓OK
	VCD (Video CD)	
	CD-Text	
	CD-ROM/CD-I (CD-I Ready)	✗NO
CD Recordable/Rewritable (CD-R/-RW) • Compliant to ISO 9660 level 1, level 2, Romeo, Joliet	CD-DA	✓OK
	DivX Video, VCD (Video CD)	
	MPEG-1/MPEG-2 Video	
	MP3/WMA/WAV	
	JPEG/MPEG4	✗NO

*1 *If you insert a DVD Video disc of an incorrect Region Code, "REGION CODE ERROR!" appears on the monitor.*

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

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

*4 *To reproduce DTS sound, use the DIGITAL OUT terminal (see also pages 30 and 35).*

Caution for DualDisc playback

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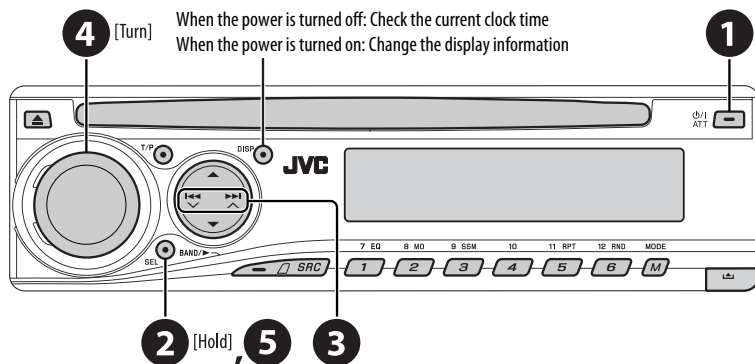
Caution on volume setting

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.

Preparation

Cancel the display demonstration and set the clock
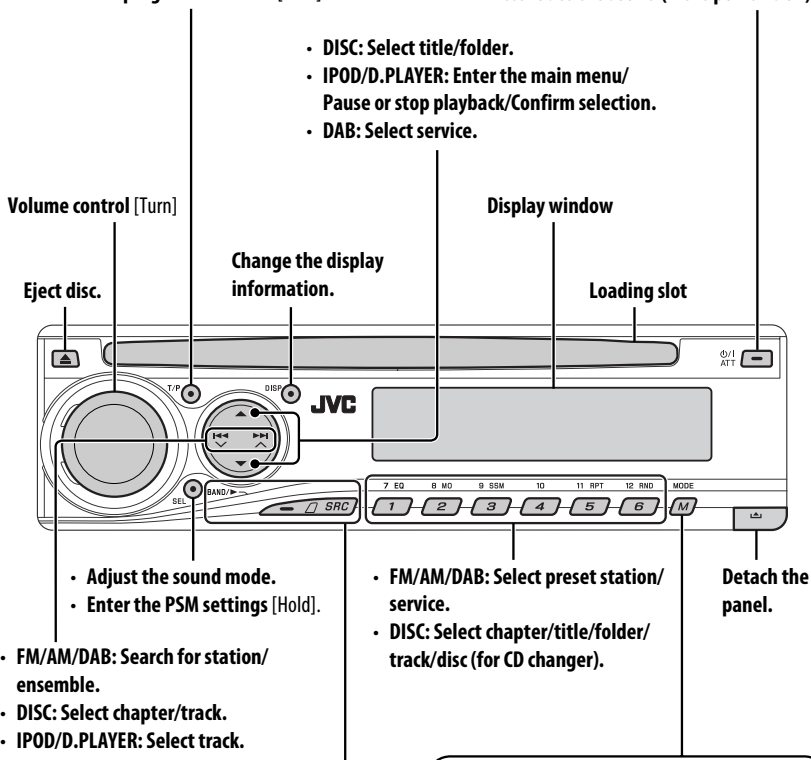
• See also page 27.

4 [Turn]

When the power is turned off: Check the current clock time
When the power is turned on: Change the display information

1

2 [Hold] , **5** **3**

❶   **Turn on the power.**

❷   **Enter the PSM settings.**

❸ ⇨ ❹   **Cancel the display demonstrations**
Select "DEMO," then "DEMO OFF."
Set the clock
Select "CLOCK H" (hour), then adjust the hour.
Select "CLOCK M" (minute), then adjust the minute.
Select "24H/12H," then "24H" (hour) or "12H" (hour).

❺   **Finish the procedure.**

Indication language:
In this manual, English indications are used for purposes of explanation. You can select the indication language on the monitor on the "LANGUAGE" setting (see page 29).

Basic operations — *Control panel*

• **Activate/deactivate TA Standby Reception.**
• **Enter RDS programme search** [Hold].

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

• **DISC: Select title/folder.**
• **IPOD/D.PLAYER: Enter the main menu/
  Pause or stop playback/Confirm selection.**
• **DAB: Select service.**

Volume control [Turn]

Display window

**Change the display
information.**

Eject disc.

Loading slot

• **Adjust the sound mode.**
• **Enter the PSM settings** [Hold].

• **FM/AM/DAB: Select preset station/
  service.**
• **DISC: Select chapter/title/folder/
  track/disc (for CD changer).**

**Detach the
panel.**

• **FM/AM/DAB: Search for station/
  ensemble.**
• **DISC: Select chapter/track.**
• **IPOD/D.PLAYER: Select track.**

BAND/►

• **FM/AM/DAB: Select the bands.**
• **DISC: Start playback.**

SRC

Select the source.
FM/AM → DAB * **→ DISC** * **→ CD-CH** */**IPOD** */
D.PLAYER * (or **EXT IN**) **→ LINE IN →** (back to
the beginning)

Enter functions mode.
Press M MODE, then one of the following buttons
(within 5 seconds)...
EQ : Select the sound mode.
MO : Turn on/off monaural reception.
SSM : Automatic station presetting [Hold].
RPT : Select repeat play.
RND : Select random play.
▲/▼ : Skip 10 chapters/tracks.

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

Display window

Track information indicators

Playback mode/item indicators (Random/Repeat)

Loudness indicator

Playback source indicators

Tuner reception indicators

Equalizer indicator

CHDISC RND ☉ 📁 RPT AF REG TP PTY MOST LOUD EQ

TAG 🎵📁
Tr 888

JAZZ
ROCK
HIPHOP
CLASSIC
POPS USER

Source display/Preset No./Track No./Folder No./Disc No./Chapter No./Channel No.

Sound mode indicators

RDS indicators

Track indicator

Main display
(Time, menu, playback information)

Basic operations — *Remote controller (RM-RK241)*

Installing the lithium coin battery (CR2025)
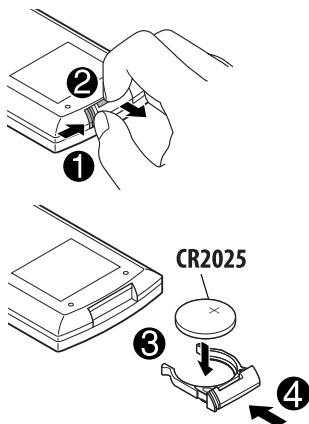
Before using the remote controller:
- Aim the remote controller directly at the remote sensor on the unit.
- DO NOT expose the remote sensor to bright light (direct sunlight or artificial lighting).

❷

❶

CR2025

❸

❹

JVC

Remote sensor
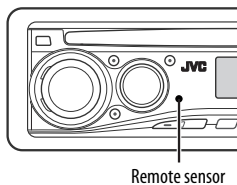
This unit is equipped with the steering wheel remote control function.
- See the Installation/Connection Manual (separate volume) for connection.

Warning:
To prevent accidents and damage

- Do not install any battery other than CR2025 or its equivalent.
- Do not leave the remote controller in a place (such as dashboards) exposed to direct sunlight for a long time; otherwise, it may explode.
- Store the battery in a place where children cannot reach.
- Do not recharge, short, disassemble, heat the battery, or dispose of it in a fire.
- Do not leave the battery with other metallic materials.
- Do not poke the battery with tweezers or similar tools.
- Wrap the battery with tape and insulate when throwing away or saving it.
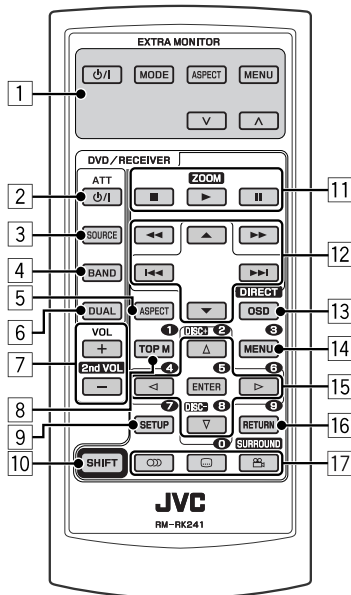
EXTRA MONITOR

1 Monitor control buttons
- Used for a JVC monitor—KV-MR9010, KV-MH6510, KV-M706, or KV-M705.

DVD/RECEIVER

2 • Turns the power on if pressed briefly or attenuates the sound when the power is on.
- Turns the power off if pressed and held.
3 Selects the source.
4 Selects the FM/AM/DAB bands.
5 Not applicable for this unit.
6 Not applicable for this unit.
7 Adjusts the volume level.
- 2nd VOL: Not applicable for this unit.
8 *1 • DVD-Video/DivX: Shows disc menu.
- VCD: Starts PBC playback.
9 *1 Enters disc setup menu.
10 SHIFT button
11 ■ (stop), ► (play), ▯▯ (pause)
- ► (play) also function as ZOOM button when pressed with SHIFT button (see page 17).
- Not applicable for CD changer/iPod/D. player operations.

12 **For advanced disc operations:**
- ▲ / ▼:
  DVD-Video: Selects the titles.
  DivX/MPEG Video/MP3/WMA/WAV: Selects the folders if included.
- ⏮ / ⏭:
  – Reverse skip/forward skip if pressed briefly.
  – Reverse search/forward search if pressed and held.
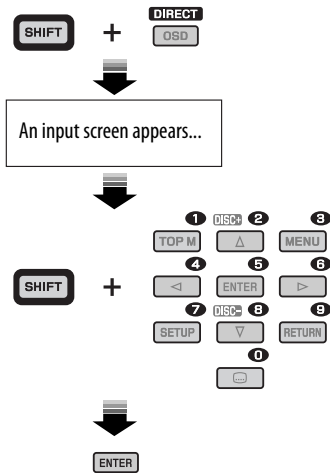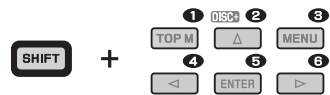- ◄◄ / ►►: Reverse search/forward search. *2

For FM/AM tuner operations:
- ▲ / ▼:   Changes the preset stations.
- ⏮ / ⏭:
  – Searches for stations automatically if pressed briefly.
  – Searches for stations manually if pressed and held.

For DAB tuner operations:
- ▲ / ▼ : Changes the preset services.
- |◄◄ / ►►| :
  - Changes the service if pressed briefly.
  - Searches for ensembles if pressed and held.

For Apple iPod/JVC D. player operations:
- ▼ : Pauses/stops or resumes playback.
  - ▲ : Enters the main menu.
    (Now ▲/▼/|◄◄ / ►►| 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.
- |◄◄ / ►►| :
  - Reverse skip/forward skip if pressed briefly.
  - Reverse search/forward search if pressed and held.

13   Shows the on-screen bar.
- Also functions as DIRECT button when pressed with SHIFT button. *4

14 *1 • DVD-Video/DivX: Shows disc menu.
     • VCD: Starts PBC playback.

15 *1 • Makes selection/settings.
     • ◁ / ▷ : DivX: Searches for index during play.
     • DISC +/−: Changes discs when the source is "CD-CH."

16 *1 RETURN button

17   • DVD-Video: Selects audio language (⬭),
                  subtitles (....)*1, angle (⬭)*5.
   • DivX: Selects audio language (⬭), subtitles (....).
   • VCD: Selects audio channel (⬭).

How to select a number

SHIFT + DIRECT/OSD

An input screen appears...

❶ TOP M	❷ DISC+ △	❸ MENU
❹ ◁	❺ ENTER	❻ ▷
❼ SETUP	❽ DISC- ▽	❾ RETURN
	❿ ⊡	

SHIFT +

ENTER

How to select a preset station/service

❶ TOP M	❷ DISC+ △	❸ MENU
❹ ◁	❺ ENTER	❻ ▷

SHIFT +

---

*1 *Functions as number buttons when pressed with SHIFT button.*
  – *FM/AM/DAB: Selects preset stations/services.*
  – *DISC: Selects chapter/title/folder/track after entering search mode by pressing SHIFT and DIRECT.*
*2 *Not applicable for CD changer operations.*
*3 ▲ : *Returns to the previous menu.*
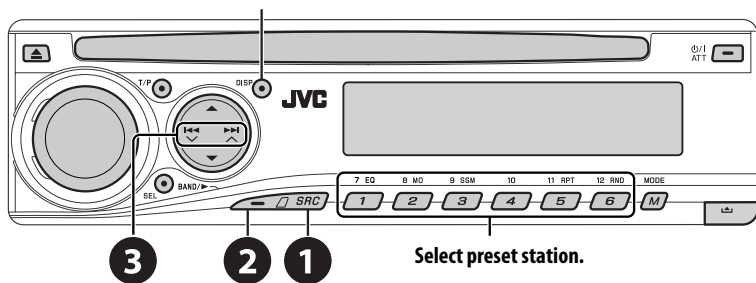 ▼ : *Confirms the selection.*
*4 *You can directly select title/chapter/folder/track using the number buttons (see pages 15 and 16).*
*5 *Functions as SURROUND button when pressed with SHIFT button (not applicable for this unit).*

Listening to the radio

Change the display information (for non-RDS station)

Clock ←→ Frequency

Select preset station.

❶ **Select "FM/AM."**

❷ **Select the bands.**

FM1 → FM2 → FM3 → AM

❸ **Search for a station to listen—Auto Search.**
Manual Search: Hold either one of the buttons until "M" flashes on the display, then press it repeatedly.

Lights up when receiving an FM stereo broadcast with sufficient signal strength.

ST

When an FM stereo broadcast is hard to receive

1 MODE
M

2 8 MO
2

MONO → MONO OFF
(Canceled)

Reception improves, but stereo effect will be lost.
• MO indicator lights up.

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

You can preset six stations for each band.

1 BAND/►

FM1 → FM2 → FM3 → AM

2 MODE
M

3 9 SSM
3 [Hold]

SSM

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.

1 BAND/►

FM1 → FM2 → FM3 → AM

2

92.5

3 10
4 [Hold]

P4 92.5

Searching for FM RDS programme — PTY Search

Change the display information

Station → Station → PTY → Clock
name (PS) frequency

③   ① [Hold]
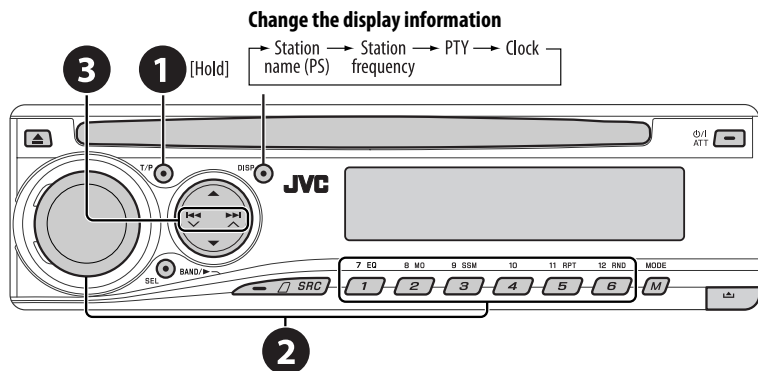
① **Activate PTY Search.**

② **Select one of the PTY codes (programme types).**
See the following for details.

③ **Start searching.**
If there is a station broadcasting a programme of the same PTY code as you have selected, that station is tuned in.

Storing your favorite programme types

You can store your favorite PTY codes into the number buttons.

1 Select a PTY code (see right column).

2 Select a preset number.

7 EQ   8 MO   9 SSM   10   11 RPT   12 RND

1   2   3   4   5   6

[Hold]
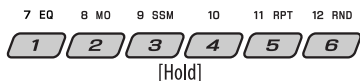
3 Repeat steps 1 and 2 for storing other PTY codes.

4 T/P

Preset PTY codes in the number buttons (1 to 6):

1	2	3	4	5	6
POP M	ROCK M	EASY M	CLASSICS	AFFAIRS	VARIED

PTY codes (available with the control dial):
NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M (music), ROCK M (music), EASY M (music), LIGHT M (music), CLASSICS, OTHER M (music), WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M (music), OLDIES, FOLK M (music), DOCUMENT

Activating/deactivating TA/PTY Standby Reception

TA Standby Reception	Indicator	PTY Standby Reception	Indicator
Press ᵀ/ᴾ ◉ to activate.	**TP**	See page 27.	**PTY**
The unit temporarily will switch to Traffic Announcement (TA), if available, from any source other than AM. The volume changes to the preset TA volume level if the current level is lower than the preset level (see page 27).	Lights up	The unit temporarily will switch to your favorite PTY programme from any source other than AM.	Lights up
Not yet activated. Tune in to another station providing the RDS signals.	Flashes	Not yet activated. Tune in to another station providing the RDS signals.	Flashes
Press ᵀ/ᴾ ◉ to deactivate.	Goes off	Select "OFF" for the PTY code (see page 27) to deactivate.	Goes off

• When a DAB tuner is connected, TA/PTY Standby Reception also searches for services. (See also pages 22 and 27.)

Tracing the same programme—Network-Tracking Reception

When driving in an area where FM reception is not sufficient enough, this unit automatically tunes in to another FM RDS station of the same network, possibly broadcasting the same programme with stronger signals (see the illustration on the right).

When shipped from the factory, Network-Tracking Reception is activated.
To change the Network-Tracking Reception setting, see "AF-REG" on page 27.
• When the DAB tuner is connected, refer to "Tracing the same programme—Alternative Frequency Reception" on page 22.

Programme A broadcasting on different frequency areas (01 – 05)
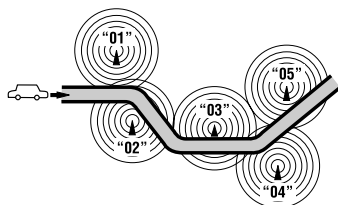
Automatic station selection—Programme Search

Usually when you press the number buttons, the preset station is tuned in.
If the signals from the FM RDS preset station are not sufficient for good reception, this unit, using the AF data, tunes in to another frequency broadcasting the same programme as the original preset station is broadcasting.
• The unit takes some time to tune in to another station using programme search.
• See also page 27.

Disc operations

Before performing any operations...

Turn on the monitor to watch the playback picture. If you turn on the monitor, you can also control playback of other discs by referring to the monitor screen. (See pages 17 – 20.)

The disc type is automatically detected, and playback starts automatically (for DVD: automatic start depends on its internal program).
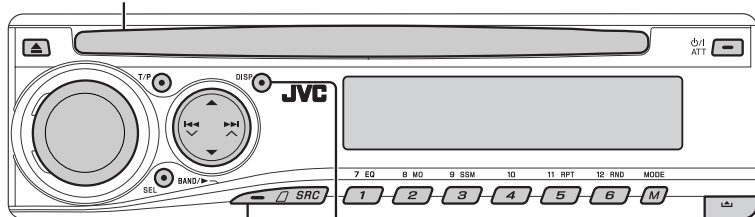
If the current disc does not have any disc menu, all tracks will be played repeatedly until you change the source or eject the disc.

If "⃠" appears on the monitor when pressing a button, the unit cannot accept the operation you have tried to do.
• In some cases, without showing "⃠," operations will not be accepted.

Insert the disc.
Playback starts automatically.

Start playback if necessary.

Change the display information

DVD Video
→ Elapsed → Clock → Current title and
playing time chapter number

DivX/MPEG
→ Elapsed playing time → Clock
└ Track title ← Folder name ┘

VCD
→ Elapsed playing time and → Clock and
Current track number Current track number

MP3/WMA/WAV
→ Elapsed playing time and → Clock and
Current track number Current track number
└ Track title ← Album name/performer ←
(file name*1) (folder name*1)

CD
→ Elapsed playing time and → Clock and
Current track number Current track number
└ Track title*2 ← Disc title/performer *2 ←

Prohibiting disc ejection

SRC + ⏏
[Hold]

To cancel the prohibition, repeat the same procedure.

*1 If the file does not have Tag information or "TAG DISP" is set to "TAG OFF" (see page 28), folder name and file name appear. TAG indicator will not light up.
*2 "NO NAME" appears for an audio CD.

Operations using the control panel

Pressing (or holding) the following buttons allows you to...

Disc type			7 EQ / 12 RND (Number buttons) *3
DVD Video	*Press*: Select chapter *Hold*: Reverse/fast-forward chapter *1	Select title	During stop: Locate title During play/pause: Locate chapter
DivX/ MPEG	*Press*: Select track *Hold*: Reverse/fast-forward track *2	Select folder	Locate particular folder directly
VCD	*Press*: Select track *Hold*: Reverse/fast-forward track *1	—	Locate particular track directly (PBC not in use)
MP3/ WMA/WAV	*Press*: Select track *Hold*: Reverse/fast-forward track *1	Select folder	Locate particular folder directly
CD	*Press*: Select track *Hold*: Reverse/fast-forward track *1	—	Locate particular track directly

*1 *Search speed changes to ×2 ⇨ ×10 on the monitor.*
*2 *Search speed changes ▶▶ 1 ⇨ ▶▶ 2 on the monitor.*
*3 *Press to select number 1 to 6; hold to select number 7 to 12.*

After pressing [M] (MODE), press the following buttons to...

Disc type		11 RPT / 5	12 RND / 6
DVD Video	Skip 10 chapters (during play or pause)	**CHP RPT**: Repeat current chapter **TIT RPT**: Repeat current title	—
DivX/ MPEG	Skip 10 tracks (within the same folder)	**TRK RPT**: Repeat current track **FLDR RPT**: Repeat current folder	—
VCD	Skip 10 tracks (PBC not in use)	**TRK RPT**: Repeat current track (PBC not in use)	**DISC RND**: Randomly play all tracks (PBC not in use)
MP3/ WMA/WAV	Skip 10 tracks (within the same folder)	**TRK RPT**: Repeat current track **FLDR RPT**: Repeat current folder	**FLDR RND**: Randomly play all tracks of current folder, then tracks of next folders **DISC RND**: Randomly play all tracks
CD	Skip 10 tracks	**TRK RPT**: Repeat current track	**DISC RND**: Randomly play all tracks

• To cancel repeat play or random play, select "**RPT OFF**" or "**RND OFF**."
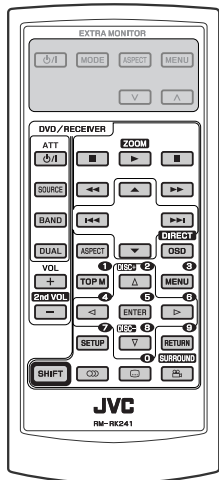
Operations using the remote controller —RM-RK241

*1, 2, 3, 4, 5 : See page 16.

DVD Video

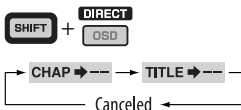| ■ | : Stop play |
❙❙	: Pause (Frame by frame playback if pressed during pause.)
▶	: Start play
◀◀ ▶▶	: Reverse/forward chapter search *1
	• Slow motion *2 during pause. No sound can be heard.
◀◀ ▶▶❙	: *Press*: Select chapter (during play or pause)
	Hold: Reverse/fast-forward chapter search *3
▲ ▼	: Select title
◯◯◯	: Select audio language
▭	: Select subtitle language
▦	: Select view angle

To search for chapter/title directly

1. Select chapter/title search.

   SHIFT + **DIRECT / OSD**

   → CHAP ▶ - - - → TITLE ▶ - - -
   ← Canceled ←

2. Enter the desired number.

   SHIFT + **0** **9**

3. **ENTER**

Using menu driven features...

1. **TOP M** / **MENU**

2. Select an item you want to start play.

   △ **▽** **◁** **▷**

3. **ENTER**

■	: Stop play
❙❙	: Pause (Frame by frame playback if pressed during pause.)
▶	: Start play
◀◀ ▶▶	: Reverse/forward track search *4
◀◀ ▶▶❙	: *Press*: Select track
	Hold: Reverse/fast-forward track search *5
▲ ▼	: Select folder
◁ ▷	: • Return/advance the scenes by about 5 minutes (Index search).
	• Select chapter.
▭	: DivX: Select subtitles language
◯◯◯	: DivX: Select audio language

DivX/ MPEG

To search for track (within the same folder)/ folder directly

1. Select track/folder search.

   SHIFT + **DIRECT / OSD**

   → TRACK ▶ - - - → FOLDER ▶ - - -
   ← Canceled ←

2. Enter the desired number.

   SHIFT + **0** **9**

3. **ENTER**

VCD
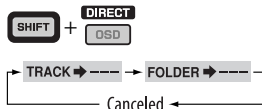
■	:	Stop play
❚❚	:	Pause (Frame by frame playback if pressed during pause.)
▶	:	Start play
◀◀ ▶▶	:	Reverse/forward track search *1
		• Forward slow motion *2 during pause. No sound can be heard. (Reverse slow motion does not work.)
◀◀ ▶▶	:	*Press*: Select track
		Hold: Reverse/fast-forward track search *3
◯◯	:	Select audio channel (ST: stereo, L: left, R: Right)
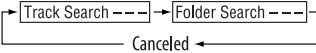
Canceling the PBC playback...

1. ■
2. SHIFT + DIRECT / OSD
3. Enter the desired number.
   SHIFT + ⓪ .... ⑨
4. ENTER
• To resume PBC, press TOP M / MENU .

MP3/ WMA/WAV

■	:	Stop play
❚❚	:	Pause
▶	:	Start play
◀◀ ▶▶	:	Reverse/forward track search *1
◀◀ ▶▶	:	*Press*: Select tracks
		Hold: Reverse/fast-forward track search *3
▲ ▼	:	Select folder

To search for track (within the same folder)/folder directly

1. Select track/folder search.
   SHIFT + DIRECT / OSD

   → Track Search – – – → Folder Search – – – ⌐
   └———————— Canceled ←—————————┘

2. Enter the desired number.
   SHIFT + ⓪ .... ⑨
3. ENTER

CD

■	:	Stop play
❚❚	:	Pause
▶	:	Start play
◀◀ ▶▶	:	Reverse/forward track search *1
◀◀ ▶▶	:	*Press*: Select tracks
		Hold: Reverse/fast-forward track search *3

To search for track directly

1. Select track search.
   SHIFT + DIRECT / OSD   → Track Search – – ⌐
   └——————— Canceled ←————┘

2. Enter the desired number.
   SHIFT + ⓪ .... ⑨
3. ENTER

---

*1 *Search speed changes to* ×**2** ⇨ ×**5** ⇨ ×**10** ⇨ ×**20** ⇨ ×**60** *on the monitor if pressed repeatedly.*
*2 *Slow motion speed changes to* ▶1/32 ⇨ ▶1/16 ⇨ ▶1/8 ⇨ ▶1/4 ⇨ ▶1/2 *on the monitor if pressed repeatedly.*
*3 *Search speed changes to* ×**2** ⇨ ×**10** *on the monitor.*
*4 *Search speed changes* ▶▶ 1 ⇨ ▶▶ 2 ⇨ ▶▶ 3 *on the monitor if pressed repeatedly.*
*5 *Search speed changes* ▶▶ 1 ⇨ ▶▶ 2 *on the monitor.*

Enlarging the view—Zoom in (DVD/DivX/MPEG Video/VCD)

During moving picture playback...

1. While holding SHIFT, press ZOOM ▶ repeatedly.

   ┌──→ ZOOM 1 ····▶ ZOOM 6 ──┐
   │   ZOOM OFF ◀────────┘
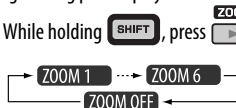
2. Move the enlarged portion.
   △ ▽ ◁ ▷

- To cancel zoom, select "**ZOOM OFF**."

Operations using the on-screen bar (DVD/DivX/MPEG Video/VCD)
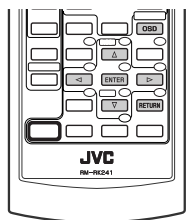
These operations are possible on the monitor using the remote controller.

❶ **Show the on-screen bar (see page 18).**
   OSD (twice)

❷ **Select an item.**
   ◁ ▷ ▮▶ ENTER

❸ **Make a selection.**
   ENTER

   If pop-up menu appears...

   △ ▽ ▮▶ ENTER

   - To cancel pop-up menu, press RETURN.
   - For entering time/numbers, see the following.

❹ **Remove the on-screen bar.**
   OSD

Entering time/numbers

Press △ ▽ to change the number, then press ◁ ▷ to move to the next entry.

- Each time you press △ ▽, the number increases/decreases by one value.
- After entering the numbers, press ENTER.
- It is not required to enter the zero and tailing zeros (the last two digits in the example below).

Ex.: Time search
DVD: _:_ _:_ _ (Ex.: 1:02:00)
Press △ once, then ▷ twice to go to the third entry, △ twice, then press ENTER.

On-screen bar

Ex.: DVD-Video

| 1 | 2 | 3 | 4 | 5 | 6 |

Information   **DVD-V** ᴰᴰD 2/0 .0ch **C. RPT** **T02-C03** **TOTAL 1:25:58** ▶

Operation   **TIME** 🕐➡ **TITLE➡** **CHAP➡** **RPT** ◫ ⊡ 📷

7

---
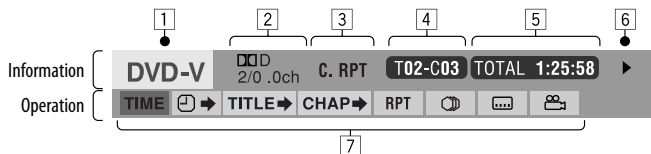
1 Disc type

2 • DVD-Video/DTS-CD: Audio signal format type and channel
  • VCD: PBC

3 Playback mode *1
  DVD-Video: **T. RPT**: Title repeat
                C. RPT: Chapter repeat
  DivX/MPEG Video: **T. RPT**: Track repeat
                F. RPT: Folder repeat
  VCD *2:   **T. RPT**: Track repeat
                D. RND: Disc random
                T. INT: Track intro *3

4 Playback information
  T02-C03   Current title/chapter
  TRACK 01 Current track
  F001-T001 Current folder/track

5 Time indication
  TOTAL   Elapsed playing time of the disc
                (For DVD-Video, elapsed playing
                time of the current title.)
  T. REM   DVD-Video: Remaining title time
                VCD: Remaining disc time
  TIME   Elapsed playing time of the current
                chapter/track
  REM   Remaining time of the current
                chapter/track

6 Playback status
  ▶   Play
  ▶▶ / ◀◀   Forward/reverse search
  ▶ / ◀   Forward/reverse 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)
  CHAP➡   Chapter Search (by its number)
  TRACK➡   Track Search (by its number)
  ◫   Change the audio language or audio
              channel
  ⊡   Change the subtitle language
  📷   Change the view angle
  RPT   Repeat play *1
  INT   Intro play *3
  RND   Random play *1

*1 *For repeat play/random play, see also page 14.*
*2 *While PBC is not in use.*
*3 *Plays the beginning 15 seconds of...*
   TRACK INTRO : *All tracks of the current disc.*
   FOLDER INTRO : *First tracks of all folders of the*
                      current disc.

Operations using the control screen (DivX/MPEG Video/MP3/WMA/WAV/CD) ■
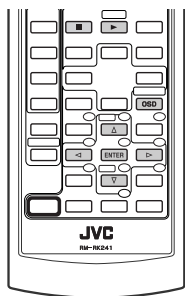
These operations are possible on the monitor using the remote controller.

❶ **Show the control screen.**
DivX/MPEG Video: Press [■] during play.
MP3/WMA/WAV/CD: Automatically appear during play.

❷ **Select "Folder" column or "Track" column (except for CD).**
[◁] [▷]

❸ **Select a folder or track.**
[△] [▽]

❹ **Start playback.**
DivX/MPEG Video: Press [ENTER] / [▶] .
MP3/WMA/WAV/CD: Playback starts automatically.

Control screen

| 1 | 2 | 3 | 4 | 5 | 6 |

FILE   T.RPT   TIME 00:00:14   ▶
FOLDER : 2 / 3   Track : 5 / 14 (Total   41)
01 Music   Cloudy.mp3
02 Music   Fair.mp3
03 Music   Fog.mp3
            Hail.wma
            Indian summer.mp3
Track Information   Rain.mp3
Album   Shower.mp3
Weather   Snow.mp3
Artist   Thunder.wma
Robert M. Smith   Typhoon.mp3
Title   Wind.mp3
Rain   Winter sky.wav

| 7 | 8 |
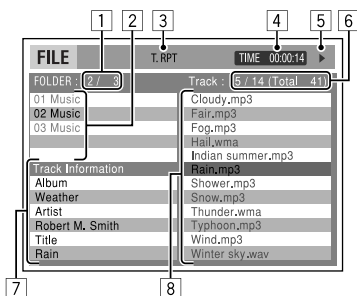
Ex.: MP3/WMA/WAV disc

1   Current folder number/total folder number
2   Folder list with the current folder selected
3   Selected playback mode
4   Elapsed playing time of the current track
5   Operation mode icon (▶, ■, ‖, ▶▶, ◀◀)
6   Current track number/total number of tracks in the current folder (total number of tracks on the disc)
7   Track information
8   Track list with the current track selected

To select a playback mode

1   While control screen is displayed...

[OSD]

MODE
▲
◀   REPEAT   ▶
OFF
▼

Playback mode selection screen appears on the folder list section of the control screen.

2   Select a playback mode.

[◁] [▷]   → REPEAT ◀──→ INTRO*[1] ◀
                    → RANDOM*[1] ◀

3   Select an item.

[△] [▽]

REPEAT/INTRO: → FOLDER*[2] ◀──→ TRACK ◀
                        → OFF ◀

RANDOM: → DISC ◀──→ FOLDER*[2] ◀
                  → OFF ◀
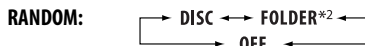
4   Confirm the selection.

[ENTER]

*[1]   *Not selectable for DivX/MPEG Video*
*[2]   *Not selectable for CD*

Mode	Playback functions
F. RPT (folder repeat):	Repeat current folder
T. RPT (track repeat):	Repeat current track
F. INT (folder intro):	Plays the beginning 15 seconds of first tracks of all folders of the current disc
T. INT (track intro):	Plays the beginning 15 seconds of all tracks of the current disc
D. RND (disc random):	Randomly play all tracks
F. RND (folder random):	Randomly play all tracks of current folder, then tracks of next folders

Operations using the list screen (DivX/MPEG Video/MP3/WMA/WAV)
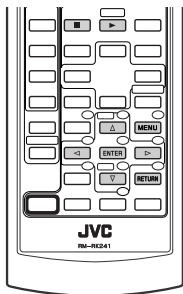
These operations are possible on the monitor using the remote controller.
Before playing, you can display the folder list/track list to confirm the contents and start playing a track.

❶ **Display the folder list while stop.**

▣ ▶ MENU

❷ **Select an item from the folder list.**

△ ▽ ◁ ▷ ▶ ENTER

- Track list of the selected folder appears.
- To go back to the folder list, press RETURN.

❸ **Select a track to start playing.**

△ ▽ ◁ ▷ ▶ ENTER / ▶

- MP3/WMA/WAV: Control screen appears (see page 19).

List screen

Ex.: Folder list

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)

Listening to the CD changer
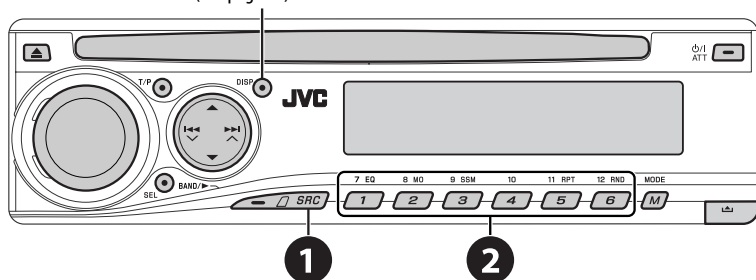
It is recommended to use a JVC MP3-compatible CD changer with your unit.
• You can only play conventional CDs (including CD Text) and MP3 discs.

❶ **Select "CD-CH."**

❷ **Select a disc to start playing.**
Press: For selecting disc number 1 – 6.
Hold: For selecting disc number 7 – 12.

	Press: Select track *Hold*: Reverse/fast-forward track
	MP3: Select folders

MODE
After pressing ⌐M⌐, press the following buttons to...

	Skip 10 tracks (MP3: within the same folder)	
11 RPT ⌐5⌐	**TRK RPT**:	Repeat current track
	FLDR RPT:	MP3: Repeat all tracks of current folder
	DISC RPT:	Repeat all tracks of the current disc
12 RND ⌐6⌐	**FLDR RND**:	MP3: Randomly play all tracks of the current folder, then tracks of the next folder
	DISC RND:	Randomly play all tracks of current disc
	MAG RND:	Randomly play all tracks of the inserted discs

• To cancel repeat play or random play, select "**RPT OFF**" or "**RND OFF**."

Listening to the DAB tuner

Change the display information

→ Service → Ensemble → Channel → Frequency → Clock
name   name   number

Select preset service.
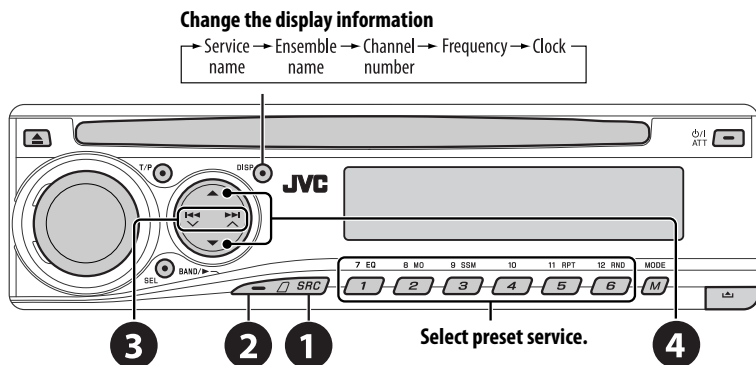
① **Select "DAB."**

② **Select the bands.**

→ DAB1 → DAB2 → DAB3 ┘

③ **Searching for an ensemble.**

Manual Search: Hold either one of the buttons until "MANU" flashes on the display, then press it repeatedly.

④ **Select a service (either primary or secondary) to listen to.**

Storing DAB services in memory

While listening to a DAB service...

7 EQ   8 MO   9 SSM   10   11 RPT   12 RND

[Hold]

P4 **BAYERN 2**
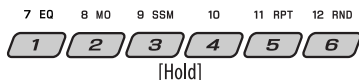
Activating/deactivating TA/PTY Standby Reception

- Operations are exactly the same as explained on page 12 for FM RDS stations.
- You cannot store PTY codes separately for the DAB tuner and for the FM tuner.

Tracing the same programme— Alternative Frequency Reception

- **While receiving a DAB service:**
  When driving in an area where a service cannot be received, this unit automatically tunes in to another ensemble or FM RDS station, broadcasting the same programme.
- **While receiving an FM RDS station:**
  When driving in an area where a DAB service is broadcasting the same programme as the FM RDS station is broadcasting, this unit automatically tunes in to the DAB service.

When shipped from the factory, Alternative Frequency Reception is activated.

To deactivate the Alternative Frequency Reception, see page 28.

Listening to the iPod / D. player

Change the display information
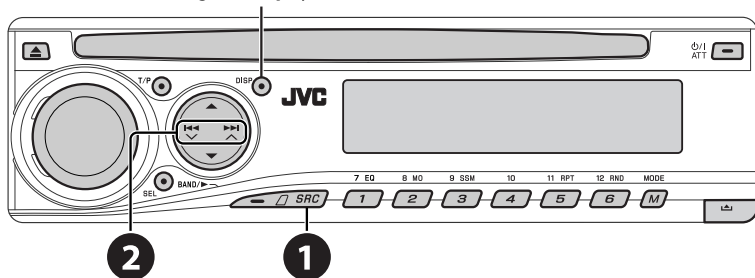
Before operating, connect either one of the following (separately purchased) to the CD changer jack on the rear of this unit.

- **Interface adapter for iPod**—KS-PD100 for controlling an iPod.
- **D. player interface adapter**—KS-PD500 for controlling a D. player.

Preparations

Make sure "CHANGER" is selected for the external input setting, see page 28.

❶ **Select "IPOD" or "D. PLAYER."**

❷ **Select a song to start playing.**

Selecting a track from the menu ▬

1 Enter the main menu.

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

2 Select the desired menu.

For iPod:
PLAYLIST ↔ ARTISTS ↔ ALBUMS ↔ SONGS ↔ GENRES ↔ COMPOSER ↔ (back to the beginning)

For D. player:
PLAYLIST ↔ ARTIST ↔ ALBUM ↔ GENRE ↔ TRACK ↔ (back to the beginning)

3 Confirm the selection.

- To move back to the previous menu, press ▲.
- If a track is selected, playback starts automatically.
- Holding |◄◄ ∨ /►►| ∧ can skip 10 items at a time.

	Pause/stop playback • To resume playback, press the button again.
	Press: Select tracks *Hold*: Reverse/fast-forward track

MODE

After pressing $\boxed{M}$, press the following buttons to...

11 RPT $\boxed{5}$	**ONE RPT**:	Functions the same as "Repeat One" or "Repeat Mode → One."
	ALL RPT:	Functions the same as "Repeat All" or "Repeat Mode → All."
12 RND $\boxed{6}$	**ALBM RND***:	Functions the same as "Shuffle Albums" of the iPod.
	SONG RND/RND ON:	Functions the same as "Shuffle Songs" or "Random Play → On."

• To cancel repeat play or random play, select "**RPT OFF**" or "**RND OFF**."

* iPod: Functions only if you select "ALL" in "ALBUMS" of the main "MENU."

Listening to the other external components

Change the display information
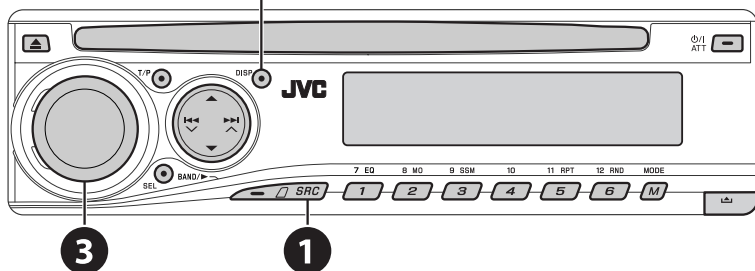
You can connect an external component to:
• CD changer jack on the rear using the **Line Input Adapter**—KS-U57 (not supplied) or **AUX Input Adapter**—KS-U58 (not supplied). Make sure "EXT IN" is selected for the external input setting, see page 28.
• LINE IN plugs on the rear.

❶ **Select "EXT IN" or "LINE IN."**

❷ **Turn on the connected component and start playing the source.**

❸ **Adjust the volume.**

❹ **Adjust the sound as you want (see pages 25 and 26).**

<u>**Concept diagram of the external device connection**</u>

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

LINE IN plugs on the rear	MD player, etc., [24]
	JVC DAB tuner, [22]
"CHANGER"	JVC CD changer, [21]
(see page 28 of the "EXT IN" setting)	**KS-PD100** → Apple iPod, [23]
	KS-PD500 → JVC D. player, [23]
"EXT IN"	**KS-U57** → MD player, etc., [24]
(see page 28 of the "EXT IN" setting)	**KS-U58** → MD player, etc., [24]

■ : Adapter (separately purchased)
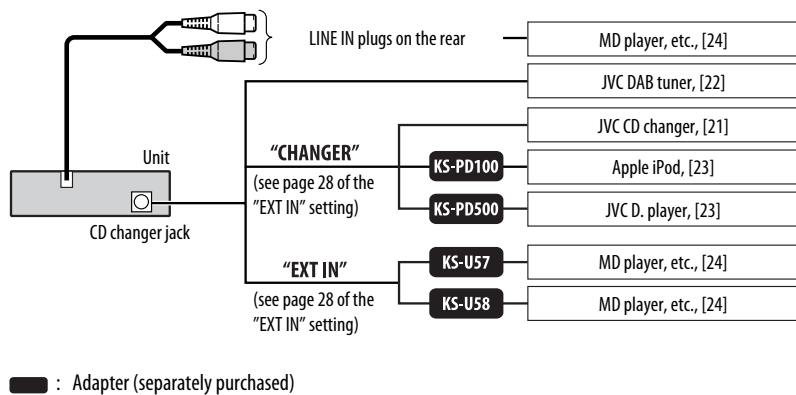
Selecting a preset sound mode

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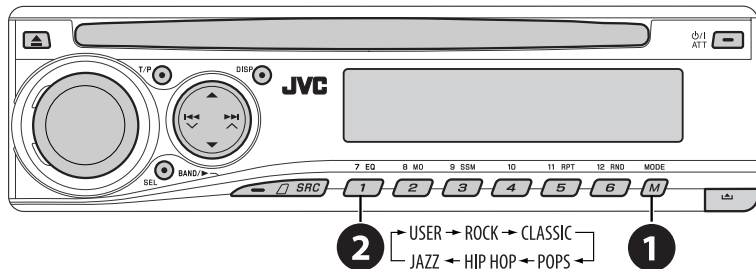
Preset values Indication (For)	BAS (bass)	TRE (treble)	LOUD (loudness)
USER (Flat sound)	00	00	OFF
ROCK (Rock or disco music)	+03	+01	ON
CLASSIC (Classical music)	+01	−02	OFF
POPS (Light music)	+04	+01	OFF
HIP HOP (Funk or rap music)	+02	00	ON
JAZZ (Jazz music)	+02	+03	OFF

EXTERNAL DEVICES & SETTINGS 25

Adjusting the sound

1

SEL

⌐→ BAS → TRE → FAD → BAL ⌐
└ VOL ← VOL.A ← LOUD ←┘

2 Adjust the level.

[Turn]

BAS *1 (bass) Adjust the bass.	–06 to +06
TRE *1 (treble) Adjust the treble.	–06 to +06
FAD *2 (fader) Adjust the front and rear speaker balance.	R06 to F06
BAL (balance) Adjust the left and right speaker balance.	L06 to R06
LOUD *1 (loudness) Boost low and high frequencies to produce a well-balanced sound at low volume level.	LOUD ON or LOUD OFF
VOL.A *3 (volume adjust) Adjust and store auto-adjustment volume level for each source, comparing to the FM volume level.	–05 to +05; initial: 00
VOL (volume) Adjust the volume.	00 to 30 (or 50) *4

*1 *When you adjust the bass, treble, or loudness, the adjustment you have made is stored for the currently selected sound mode (C-EQ) including "USER."*

*2 *If you are using a two-speaker system, set the fader level to "00."*

*3 *You cannot make an adjustment for FM. "FIX" appears.*

*4 *Depending on the amplifier gain control setting. (See page 28 for details.)*

General settings — PSM

You can change PSM (Preferred Setting Mode) items listed in the table on pages 27 and 28.

1 Enter the PSM settings.

SEL [Hold]

2 Select a PSM item.

3 Select or adjust the selected PSM item.

[Turn]

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

5 Finish the procedure.

SEL

Indication	Item (__: Initial)	Setting, [reference page]
DEMO Display demonstration	• **DEMO ON**	: Display demonstration will be activated automatically if no operation is done for about 20 seconds, [5].
	• **DEMO OFF**	: Cancels.
CLK DISP *1 Clock display	• **ON**	: Clock time is shown on the display at all times when the power is turned off.
	• **OFF**	: Cancels; pressing DISP will show the clock time for about 5 seconds when the power is turned off, [5].
CLOCK H Hour adjustment	**0 – 23** **(1 – 12)**	: Initial: 0 (0:00), [5].
CLOCK M Minute adjustment	**00 – 59**	: Initial: 00 (0:00), [5].
24H/12H Time display mode	• **12H** • **24H**	: See also page 5 for setting.
CLK ADJ Clock adjustment	• **AUTO**	: The built-in clock is automatically adjusted using the CT (clock time) data in the RDS signal.
	• **OFF**	: Cancels.
AF-REG *2 Alternative frequency/ regionalization reception	• **AF**	: When the currently received signals become weak, the unit switches to another station or service (the programme may differ from the one currently received), [12].
	• **AF REG**	: When the currently received signals become weak, the unit switches to another station broadcasting the same programme.
	• **OFF**	: Cancels (not selectable when "DAB AF" is set to "AF ON").
PTY-STBY PTY standby	**OFF**, PTY codes (see page 11)	: Activates PTY Standby Reception with one of the PTY codes, [11, 12].
TA VOL Traffic announcement volume	**VOL 00** – **VOL 30** or **50** *3	: Initial: VOL 15, [12].
P-SEARCH *2 Programme search	• **ON** • **OFF**	: Activates Programme Search, [12]. : Cancels.

*1 *If the power supply is not interrupted by turning off the ignition key of your car, it is recommended to select "OFF" to save the car's battery.*

*2 *Only for RDS FM stations.*

*3 *Depending on the "AMP GAIN" setting.*

Indication	Item (__ : Initial)	Setting, [reference page]
DAB AF *4 Alternative frequency reception	• **AF ON** • **AF OFF**	: Traces the programme among DAB services and FM RDS stations, [22]. : Cancels.
DIMMER Dimmer	• **ON** • **OFF**	: Dims the display illumination. : Cancels.

TEL
Telephone muting
	• **MUTING 1/
	  MUTING 2**
	• **OFF**
		: Select either one which mutes the playback sounds while using a
		  cellular phone.
		: Cancels.

SCROLL *5 Scroll	• **ONCE** • **AUTO** • **OFF**	: Scrolls the track information once. : Repeats scrolling (at 5-second intervals). : Cancels. (Holding DISP can scroll the display regardless of the setting.)
EXT IN *6 External input	• **CHANGER** • **EXT IN**	: To use a JVC CD changer, [21], or an Apple iPod/a JVC D. player, [23]. : To use any other external component, [24].
TAG DISP Tag display	• **TAG ON** • **TAG OFF**	: Shows the tag while playing MP3/WMA/WAV tracks. : Cancels.
AMP GAIN Amplifier gain control	• **LOW PWR** • **HIGH PWR**	: VOL 00 – VOL 30 (Select if the maximum power of each speaker is less than 50 W to prevent damaging the speaker.) : VOL 00 – VOL 50

IF BAND
Intermediate
frequency band
	• **AUTO**
	
	• **WIDE**
		: Increases the tuner selectivity to reduce interference noises between
		  adjacent stations. (Stereo effect may be lost.)
		: Subject to interference noises from adjacent stations, but sound
		  quality will not be degraded and the stereo effect will remain.

*4 *Displayed only when DAB tuner is connected.*
*5 *Some characters or symbols will not be shown correctly (or will be blanked) on the display.*
*6 *Displayed only when one of the following sources is selected—FM, AM, DAB, DISC, or LINE IN.*

Disc setup menu
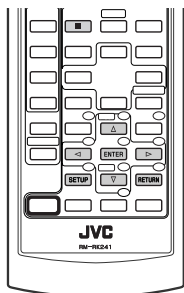
These operations are possible on the monitor using the remote controller.

① **Enter the disc setup menu while stop.**
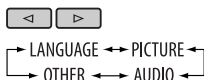
■ ▶ SETUP

LANGUAGE	
MENU LANGUAGE	ENGLISH
AUDIO LANGUAGE	ENGLISH
SUBTITLE	ENGLISH
ON SCREEN LANGUAGE	ENGLISH

② **Select a menu.**

◁ ▷

→ LANGUAGE ↔ PICTURE ←
→ OTHER ↔ AUDIO ←

AUDIO	
DIGITAL AUDIO OUTPUT	STREAM/PCM
DOWN MIX	STEREO
D. RANGE COMPRESSION	ON

③ **Select an item you want to set up.**

△ ▽ ▶ ENTER

• To cancel pop-up menu, press RETURN.

AUDIO	
DIGITAL AUDIO OUTPUT	STREAM/PCM
DOWN MIX	S SURROUND COMPATIBLE
D. RANGE COMPRESSION	O STEREO

④ **Select an option.**

△ ▽ ▶ ENTER
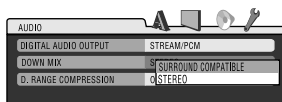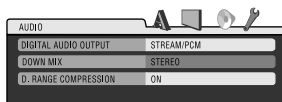
To return to normal screen

SETUP

Menu	Item	Setting
LANGUAGE	**MENU LANGUAGE**	Select the initial disc menu language. Refer also to "Language codes" on page 36.
	AUDIO LANGUAGE	Select the initial audio language. Refer also to "Language codes" on page 36.
	SUBTITLE	Select the initial subtitle language or remove the subtitle (OFF). Refer also to "Language codes" on page 36.
	ON SCREEN LANGUAGE	Select the language for the on screen display.

Menu	Item	Setting
PICTURE	**MONITOR TYPE**	Select the monitor type to watch a wide screen picture on your monitor. **16:9** **4:3 LETTERBOX** **4:3 PAN SCAN**
PICTURE	**OSD POSITION**	Select the on-screen bar position on the monitor. • **1** : Higher position • **2** : Lower position (Guidance below the disc setup menu will disappear.)
PICTURE	**FILE TYPE**	Select the file type to play. • **AUDIO** : Play MP3/WMA/WAV files. • **VIDEO** : Play DivX/MPEG Video files.
AUDIO	**DIGITAL AUDIO OUTPUT**	Select the signal format to be emitted through the DIGITAL OUT (Optical) terminal. • **OFF** : Cancels. • **PCM ONLY** : Select for an amplifier or a decoder incompatible with Dolby Digital, DTS, MPEG Audio, or when connecting to a recording device. • **DOLBY DIGITAL/PCM** : Select for an amplifier or a decoder compatible with Dolby Digital. • **STREAM/PCM** : Select for an amplifier or a decoder compatible with Dolby Digital, DTS, and MPEG Audio.
AUDIO	**DOWN MIX**	When playing back a multi-channel disc, this setting affects the signals reproduced through the LINE OUT jacks (and through the DIGITAL OUT terminal when "PCM ONLY" is selected for "DIGITAL AUDIO OUTPUT"). • **SURROUND COMPATIBLE**: Select to enjoy multi-channel surround audio by connecting an amplifier compatible with Dolby Surround. • **STEREO** : Normally select this.
AUDIO	**D. RANGE COMPRESSION**	You can enjoy a powerful sound at low or middle volume levels while playing a Dolby Digital software. • **AUTO** : Select to apply the effect to multi-channel encoded software (excluding 1-channel and 2-channel software). • **ON** : Select to always use this function.
OTHER	**DivX REGISTRATION**	This unit has its own Registration Code. Once you have played back a disc in which the Registration Code recorded, this unit's Registration Code is overwritten for copyright protection.

Maintenance

■ How to clean the connectors

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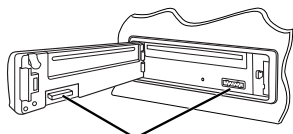
Connector

■ Moisture condensation

Moisture may condense on the lens inside the unit in
the following cases:

• After starting the heater in the car.
• If it becomes very humid inside the car.

Should this occur, the unit may malfunction. In this
case, eject the disc and leave the unit turned on for a
few hours until the moisture evaporates.

■ How to handle discs

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

Center holder

• Always hold the disc by the edges. Do not touch its
recording surface.

When storing a disc into its case, gently insert the
disc around the center holder (with the printed surface
facing up).

• Make sure to store discs into the cases after use.

■ To keep discs clean

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

• Do not use any solvent (for example, conventional
record cleaner, spray, thinner, benzine, etc.) to clean
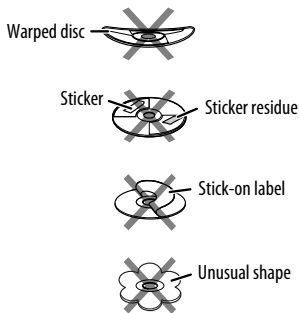discs.

■ To play new discs

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

Do not use the following discs:

Warped disc

Sticker — Sticker residue

Stick-on label

Unusual shape

More about this unit

■ *General*

Turning on the power

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

Turning off the power

• If you turn off the power while listening to a disc, disc play will start automatically, next time you turn on the power.

■ *FM/AM/RDS*

Storing stations in memory

• During SSM search...
  – Received stations are preset in No. 1 (lowest frequency) to No. 6 (highest frequency).
  – When SSM is over, the station stored in No. 1 will be automatically tuned in.
• When storing stations, the previously preset stations are erased and stations are stored newly.

FM RDS operations

• Network-Tracking Reception requires two types of RDS signals—PI (Programme Identification) and AF (Alternative Frequency) to work correctly. Without receiving these data correctly, Network-Tracking Reception will not operate correctly.
• If a Traffic Announcement is received by TA Standby Reception, the volume level automatically changes to the preset level (TA VOL) if the current level is lower than the preset level.
• TA Standby Reception and PTY Standby Reception will be temporarily canceled while listening to an AM station.
• When Alternative Frequency Reception is activated (with AF selected), Network-Tracking Reception is also activated automatically. On the other hand, Network-Tracking Reception cannot be deactivated without deactivating Alternative Frequency Reception. (See pages 27 and 28.)

• If you want to know more about RDS, visit <http://www.rds.org.uk>.

■ *Disc*

General

• In this manual, words "track" and "file" are interchangeably used when referring to DivX/MPEG Video/MP3/WMA/WAV files and their file names.
• 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, "PLEASE" and "EJECT" appear alternately on the display. Press ▲ to 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. Playback starts automatically.
• After ejecting a disc, "NO DISC" appears and you cannot operate some of the buttons. Insert another disc or press SRC to select another playback source.

Playing Recordable/Rewritable discs

• This unit can recognize a total of 5 000 files and 250 folders (a maximum of 999 files per folder).
• This unit can recognize a total 25 characters for file/ folder names.
• Use only "finalized" discs.
• This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
• This unit may be unable to play back some discs or files due to their characteristics or recording conditions.
• Rewritable discs may require a longer readout time.

Playing MP3/WMA/WAV files

• The maximum number of characters for folder and file names is 25 characters; 128 characters for MP3/WMA/WAV tag information.
• This unit can play back files with the extension code <.mp3>, <.wma>, or <.wav> (regardless of the letter case—upper/lower).
• This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for the MP3/WMA/WAV files.
• This unit can display only one-byte characters. No other characters can be correctly displayed.
• 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 ATRAC3, etc.
  – AAC files and OGG files.

Playing DivX files

• This unit can play back DivX files with the extension code <.divx>, <.div>, <.avi> (regardless of the letter case—upper/lower).
• This unit supports DivX 6.x, 5.x, 4.x, and 3.11.
• This unit supports DivX Media Format files, <.divx> or <.avi>.
• This unit can display a unique registration code—DivX Video-on-Demand (VOD—a kind of Digital Rights Management). For activation and more details, visit <www.divx.com/vod>.

• Audio stream should conform to MP3 or Dolby Digital.
• This unit does not support GMC (Global Motion Compression).
• The file encoded in the interlaced scanning mode may not be played back correctly.
• Index Search:
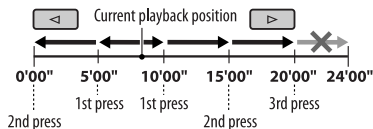
• This unit cannot play back the following files:
  – Files encoded in Codec (Compressor-decompressor) other than DivX Codec.
• If you want to know more about DivX, visit <http://www.divx.com>.

Changing the source

• If you change the source, 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 MPEG Video files

• This unit can play back MPEG Video files with the extension code <.mpg> or <.mpeg>.
• Audio stream should conform to MPEG1 Audio Layer 2.
• This unit cannot playback the following files:
  – WMV (Windows Media Video) files
  – RM (Real Media) format files

■ DAB

• Only the primary DAB service can be preset even when you store a secondary service.
• A previously preset DAB service is erased when a new DAB service is stored in the same preset number.

Continued on the next page

■ iPod or D. player

• When you turn on this unit, the iPod or D. player is charged through this unit.
• While the iPod or D. player is connected, all operations from the iPod or D. player are disabled. Perform all operations from this unit.
• The text information may not be displayed correctly.
• If the text information includes more than 8 characters, it scrolls on the display. This unit can display up to 40 characters.

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>

■ General settings—PSM

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

■ Disc setup menu

• When the language you have selected is not recorded on a disc, the original language is automatically used as the initial language. In addition, for some discs, the initial languages settings will not work as you set due to their internal disc programming.
• 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 PAN SCAN" is selected, the screen size may become "4:3 LETTERBOX" for some discs.

On-screen guide icons

During playback, the following guide icons may appear for a while on the monitor.

▶	:	Playback
❚❚	:	Pause
▶	: DVD-Video/VCD: Forward slow motion
◀	: DVD-Video: Reverse slow motion
▶▶	: Forward search
◀◀	: Reverse search

DVD: The following icons appear at the beginning of a scene containing:

▤	:	Multi-subtitle languages
◉	:	Multi-audio languages
▦	:	Multi-angle views

Detaching the control panel
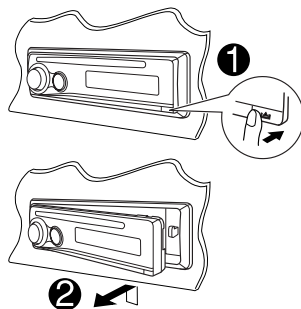
Attaching the control panel
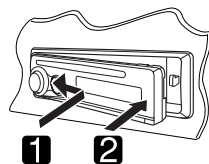
About sounds reproduced through the rear terminals

- **Through the analog terminals (Speaker out/LINE OUT):** 2-channel signal is emitted. When playing a multi-channel encoded disc, multi-channel signals are downmixed. DTS sound cannot be reproduced. (AUDIO—DOWN MIX: see page 30.)
- **Through DIGITAL OUT (optical):**
  Digital signals (Linear PCM, Dolby Digital, DTS, MPEG Audio) are emitted through this terminal. (For more details, see table below.)
  To reproduce multi-channel sounds such as Dolby Digital, DTS, and MPEG Audio, connect an amplifier or a decoder compatible with these multi-channel sources to this terminal, and set "DIGITAL AUDIO OUTPUT" correctly. (See page 30.)

Output signals through the DIGITAL OUT terminal

Output signals are different depending on the "DIGITAL AUDIO OUTPUT" setting on the setup menu (see page 30).

Playback Disc		Output Signal			
		STREAM/PCM	DOLBY DIGITAL/ PCM	PCM ONLY	OFF
DVD-Video	48 kHz, 16/20/24 bits Linear PCM	48 kHz, 16 bits stereo Linear PCM *			
	96 kHz, Linear PCM	48 kHz, 16 bits stereo Linear PCM			
	Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bits stereo Linear PCM	
	DTS	DTS bitstream			
	MPEG Audio	MPEG bitstream	48 kHz, 16 bits stereo Linear PCM		
Audio CD, Video CD		44.1 kHz, 16 bits stereo Linear PCM / 48 kHz, 16 bits stereo Linear PCM			OFF
Audio CD with DTS		DTS bitstream			
DivX	Dolby Digital	Dolby Digital bitstream		48 kHz, 16 bits stereo Linear PCM	
	MPEG Audio	32/44.1/48 kHz, 16 bits Linear PCM			
MPEG		44.1/48 kHz, 16 bits Linear PCM			
MP3/WMA		32/44.1/48 kHz, 16 bits Linear PCM			
WAV		44.1 kHz, 16 bits stereo Linear PCM			

* *Digital signals may be emitted at 20 or 24 bits (at their original bit rate) through the DIGITAL OUT terminal if the discs are not copy-protected.*

Language codes

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

Troubleshooting

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

	Symptom	Remedy/Cause
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the aerial firmly.
Discs in general	• Disc cannot be played back.	Insert the disc correctly.
	• Disc can be neither played back nor ejected.	• Unlock the disc (see page 13). • Eject the disc forcibly (see page 2).
	• Recordable/Rewritable discs cannot be played back. • Tracks on the Recordable/Rewritable discs cannot be skipped.	• Insert a finalized disc. • Finalize the discs with the component which you have used for recording.
	• Disc cannot be recognized.	Eject the disc forcibly (see page 2).
	• Sound and pictures are sometimes interrupted or distorted.	• Stop playback while driving on rough roads. • Change the disc. • Check the cords and connections.
	• No playback picture (DVD-Video/DivX/MPEG/ VCD) appears on the monitor.	Parking brake wire is not connected properly. (See Installation/Connection Manual.)
	• No picture appears on the monitor at all.	• Connect the video cord correctly. • Select a correct input on the monitor.
	• The left and right edges of the picture are missing on the monitor.	Select "4:3 LETTERBOX" (see page 30).

	Symptom	Remedy/Cause
DivX/MPEG Video/MP3/WMA/WAV	• Disc cannot be played back.	• Change the disc. • Record the tracks using a compliant application in the appropriate discs (see page 4). • Add the extension code <.divx>, <.div>, <.avi>, <.mpg>, <.mpeg>, <.mp3>, <.wma>, or <.wav> to the file names.
	• Noise is generated.	Skip to another track or change the disc.
	• Longer readout time is required.	Readout time varies due to the complexity of the folder/file configuration. Do not use too many hierarchies and folders.
	• Tracks cannot play back as you have intended them to play.	Playback order is determined when files are recorded.
	• No sound can be heard when picture is displayed while playing a DivX/MPEG Video file.	• Record the audio track using MP3 or Dolby Digital as the audio stream of DivX files. • Record the audio track using MPEG1 Audio Layer 2 as the audio stream for MPEG Video files.
	• Elapsed playing time is not correct.	This sometimes occurs during playback. This is caused by how the tracks are recorded.
	• "PLEASE" and "EJECT" appear alternately on the display.	Insert a disc that contains tracks of appropriate formats.
	• Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.
CD changer	• "NO DISC" appears on the display.	Insert a disc into the magazine.
	• "NO MAG" appears on the display.	Insert the magazine.
	• "RESET 8" appears on the display.	Connect this unit and the CD changer correctly and press the reset button of the CD changer.
	• "RESET 1" – "RESET 7" appears on the display.	Press the reset button of the CD changer.
	• The CD changer does not work at all.	Reset the unit (see page 2).
DAB	• "noSIGNAL" appears on the display.	Move to an area with stronger signals.
	• "RESET 8" appears on the display.	Connect this unit and the DAB tuner correctly and reset the unit (see page 2).
	• The DAB tuner does not work at all.	Reconnect this unit and the DAB tuner correctly. Then, reset the unit (see page 2).
	• "ANTENNA" appears on the display.	Check the cords and connections.

Symptom	Remedy/Cause
• The iPod or D. player does not turn on or does not work.	• Check the connecting cable and its connection. • Charge the battery. • Update the firmware version.
• The sound is distorted.	Deactivate the equalizer either on this unit or the iPod/D. player.
• "NO IPOD" or "NO DP" appears on the display.	• Check the connecting cable and its connection. • Charge the battery.
• Playback stops.	The headphones are disconnected during playback. Restart the playback operation (see page 23).
• No sound can be heard when connecting an iPod nano.	• Disconnect the headphones from the iPod nano. • Update the firmware version of the iPod nano.
• No sound can be heard. • "ERROR 01" appears on the display when connecting a D. player.	Disconnect the adapter from the D. player. Then, connect it again.
• "NO FILES" or "NO TRACK" appears on the display.	No tracks are stored. Import tracks to the iPod or D. player.
• "RESET 1" – "RESET 7" appears on the display.	Disconnect the adapter from both this unit and iPod/D. player. Then, connect it again.
• "RESET 8" appears on the display.	Check the connection between the adapter and this unit.
• The iPod's or D. player's controls do not work after disconnecting from this unit.	Reset the iPod or D. player.

(Row group label: **iPod/D. player**)

• Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.
• "DTS" and "DTS Digital Out" are registered trademarks of DTS, Inc.
• "DVD Logo" is a trademark of DVD Format/Logo Licensing Corporation registered in the US, Japan and other countries.
• DivX, DivX Ultra Certified, and associated logos are trademarks of DivX, inc. and are used under license.
• Official DivX® Ultra Certified product
• Plays all versions of DivX® video (including DivX® 6) with enhanced playback of DivX® media files and the DivX® Media Format
• Microsoft and Windows Media are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.
• iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries.

Specifications

	Maximum Power Output:	Front/Rear:	50 W per channel
AUDIO AMPLIFIER SECTION	Continuous Power Output (RMS):	Front/Rear:	19 W per channel into 4 Ω, 40 Hz to 20 000 Hz at no more than 0.8% total harmonic distortion
	Load Impedance:		4 Ω (4 Ω to 8 Ω allowance)
	Tone Control Range:	Bass:	±12 dB at 100 Hz
		Treble:	±12 dB at 10 kHz
	Signal to Noise Ratio:		70 dB
	Audio Output Level:	Digital (DIGITAL OUT: Optical):	Signal wave length: 660 nm
			Output level: −21 dBm to −15 dBm
		Line-Out Level/Impedance:	2.5 V/20 kΩ load (full scale)
		Output Impedance:	1 kΩ
	Color system:		PAL
	Video Output (composite):		1 Vp-p/75 Ω
	Other Terminal:	CD changer, LINE IN, Steering wheel remote input	

	Frequency Range:	FM:	87.5 MHz to 108.0 MHz
TUNER SECTION		AM:	(MW) 522 kHz to 1 620 kHz (LW) 144 kHz to 279 kHz
	FM Tuner:	Usable Sensitivity:	11.3 dBf (1.0 μV/75 Ω)
		50 dB Quieting Sensitivity:	16.3 dBf (1.8 μV/75 Ω)
		Alternate Channel Selectivity (400 kHz):	65 dB
		Frequency Response:	40 Hz to 15 000 Hz
		Stereo Separation:	30 dB
	MW Tuner:	Sensitivity/Selectivity:	20 μV/35 dB
	LW Tuner:	Sensitivity:	50 μV

DVD/CD PLAYER SECTION	Signal Detection System:		Non-contact optical pickup (semiconductor laser)	
	Number of Channels:			2 channels (stereo)
	Frequency Response:		DVD, fs=48 kHz/96 kHz:	16 Hz to 22 000 Hz
			CD, fs=44.1 kHz:	16 Hz to 20 000 Hz
	Dynamic Range:			96 dB
	Signal-to-Noise Ratio:			98 dB
	Wow and Flutter:			Less than measurable limit
	DivX/MPEG Video:	Video:	Max. Resolution:	720 × 480 pixels (30 fps) 720 × 576 pixels (25 fps)
		Audio:	Bit Rate:	DivX: 32 kbps – 320 kbps MPEG Video: 32 kbps – 320 kbps
			Sampling Frequency:	DivX: MPEG-1: 32 kHz, 44.1 kHz, 48 kHz MPEG-2: 16 kHz, 22.05 kHz, 24 kHz MPEG Video: 32 kHz, 44.1 kHz, 48 kHz
	MP3:		Bit Rate:	32 kbps – 320 kbps
			Sampling Frequency:	MPEG-1: 32 kHz, 44.1 kHz, 48 kHz MPEG-2: 16 kHz, 22.05 kHz, 24 kHz
	WMA:		Bit Rate:	32 kbps – 320 kbps
			Sampling Frequency:	22.05 kHz, 32 kHz, 44.1 kHz, 48 kHz
	WAV:		Quantization Bit Rate:	16 bit
			Sampling Frequency:	44.1 kHz

GENERAL	Power Requirement:	Operating Voltage:	DC 14.4 V (11 V to 16 V allowance)
	Grounding System:		Negative ground
	Allowable Operating Temperature:		0°C to +40°C
	Dimensions (W × H × D):	Installation Size (approx.):	182 mm × 52 mm × 158 mm
		Panel Size (approx.):	187 mm × 58 mm × 13 mm
	Mass (approx.):		1.6 kg (excluding accessories)

Design and specifications are subject to change without notice.

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

JVC

1206DTSMDTJEIN