JVC

VCD/CD RECEIVER
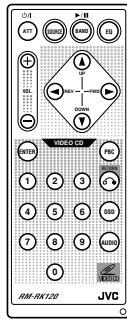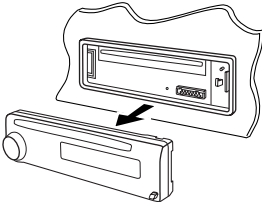
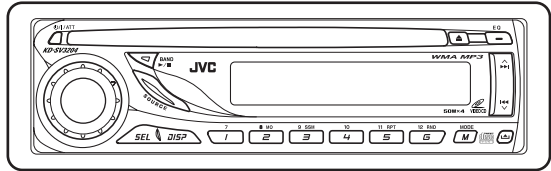# KD-SV3204

Detachable

WMA MP3   VIDEO CD   COMPACT disc DIGITAL VIDEO

RM-RK120   JVC

For canceling the display demonstration, see page 7

For installation and connections, refer to the separate manual.

INSTRUCTIONS

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

IMPORTANT FOR LASER PRODUCTS

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

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

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, "PARKING" flashes on the display, and no playback picture will be shown on the monitor.
  - **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).**

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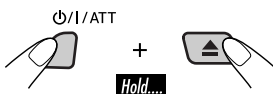
- *If this does not work, reset your unit.*
- *Be careful not to drop the disc when it ejects.*

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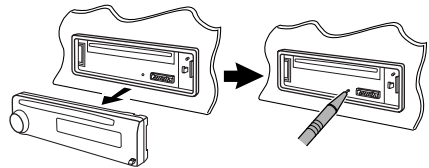
- *Your preset adjustments will also be erased.*

How to use the M MODE button

If you press M MODE, the unit goes into functions mode, then the number buttons and ⌄ |◄◄ /►►| ⌃ buttons work as different function buttons.

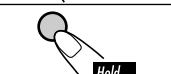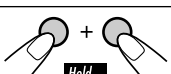Ex.: When number button 2 works as MO (monaural) button.

Time countdown indicator

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

▨ How to read this manual

- Button operations are mainly explained with the illustrations in the table below.
- Some related tips and notes are explained in "More about this unit" (see pages 20 – 22).

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

The following marks are used to indicate...

	:	Built-in VCD/CD player operations.
	:	External CD changer operations.
◯	:	Indicator displayed for the corresponding operation.

▨ How to detach/attach the control panel
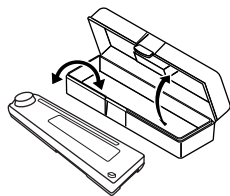
Detaching...

Attaching...

CONTENTS

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.

3

Control panel

Parts identification

Display window

1. ⏻/I/ATT (standby/on/attenuator) button
2. SOURCE button
3. BAND button
   ▶/❚❚ (play/pause) button
4. Remote sensor
   DO NOT expose the remote sensor to strong light (direct sunlight or artificial lighting).
5. Loading slot
6. Display window
7. ⏏ (eject) button
8. EQ (equalizer) button
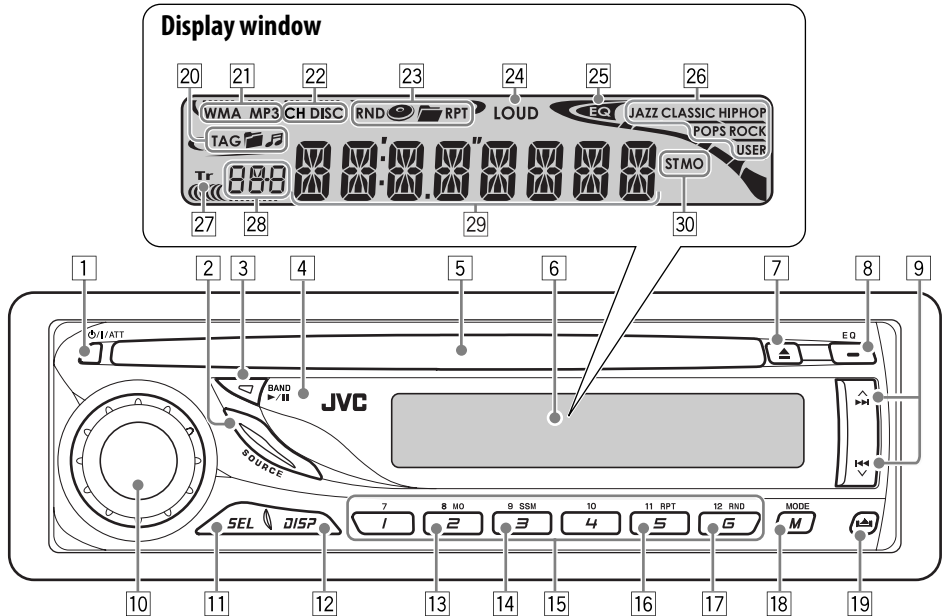9. ﹀ |◀◀ /▶▶| ︿ buttons
10. Control dial
11. SEL (select) button
12. DISP (display) button
13. MO (monaural) button
14. SSM (Strong-station Sequential Memory) button
15. Number buttons
16. RPT (repeat) button
17. RND (random) button
18. M MODE button
19. ⬆ (control panel release) button

Display window

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

Remote controller — *RM-RK120*

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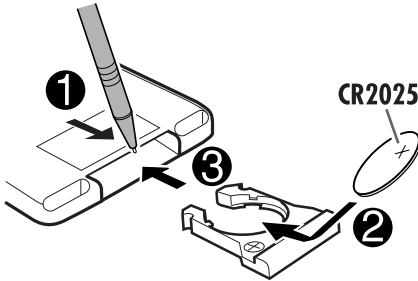
CR2025

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

Warning:

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

Caution:
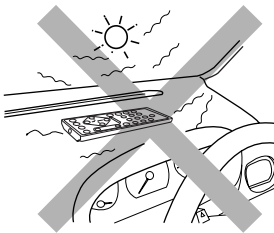
Main elements and features
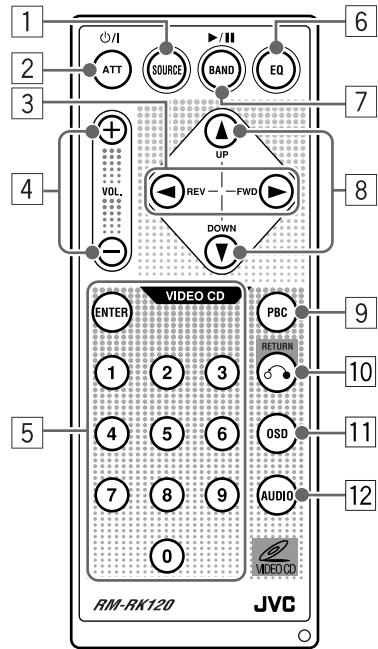
1 SOURCE button
   - Selects the playback source.
2 ⏻/I ATT (standby/on attenuator) button
   - Turns the power on if pressed briefly or attenuates the sound when the power is on.
   - Turns the power off if pressed and held.
3 ◄ REV / FWD ► buttons
   - Searches for stations if pressed briefly.
   - Fast-forwards or reverses the track if pressed and held.
   - Changes the tracks if pressed briefly.
   - While listening to an Apple iPod® or a JVC D. player (in menu selecting mode):
     – Selects an item if pressed briefly. (Then, press DOWN ▼ to confirm the selection.)
4 VOL. + / – buttons
   - Adjusts the volume level.

5 ENTER and number buttons
  • Selects a track/file directly.
    – Press the number button(s), then press ENTER.
    – Not used for iPod/D. player operations.
  • Selects an item from the menu while playing back a Video CD (VCD) in Playback Control (PBC) function.
    – Press the number button(s), then press ENTER.
  • Selects the discs while operating the CD changer.
    – To select disc number 1 – 6, press number button 1 – 6 briefly.
    – To select disc number 7 – 12, press and hold number button 1 (7) – 6 (12).
6 EQ (equalizer) button
  • Selects the sound mode (C-EQ: custom equalizer).
7 BAND ▶/❚❚ button
  • Changes the FM/AM bands.
  • Stops disc playback temporarily. To resume playback, press the button again.
    – While playing a VCD, the playback scene at the moment stops and remain still.
    – Not used for CD changer, iPod, or D. player operations.
8 ▲ UP / DOWN ▼ buttons
  • Changes the preset stations.
  • Changes the folder of the MP3/WMA discs if pressed briefly.
  • Changes the disc while operating the CD changer if pressed and held.
  • While listening to an iPod or a D. player:
    – Pauses/stops or resumes playback with DOWN ▼.
    – Enters the main menu with ▲ UP. (Now ▲ UP / DOWN ▼/ ◀ REV / FWD ▶ work as the menu selecting buttons.)*
9 PBC (Playback Control) button
  • Activates or deactivates the PBC function.

10 ⤺ RETURN button
  • Returns to the previous menu while playing a VCD in PBC function.
11 OSD (On-Screen Display) button
  • Turn on and off the OSD on the monitor.
12 AUDIO button
  • Selects the audio channel for VCD playback.

* ▲ UP   : *Returns to the previous menu.*
  DOWN ▼: *Confirms the selection.*
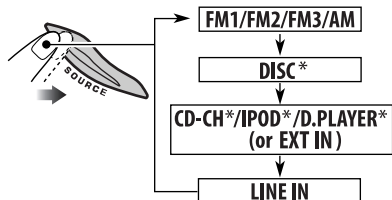
Getting started

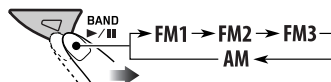## Basic operations

➊ **Turn on the power.**

⏻/I/ATT

➋

FM1/FM2/FM3/AM
↓
DISC *
↓
CD-CH*/IPOD*/D.PLAYER*
(or EXT IN)
↓
LINE IN

SOURCE

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

➌ **For FM/AM tuner**

BAND
►/‖

FM1 → FM2 → FM3
AM ←

➍ **Adjust the volume.**

+
−
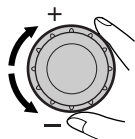
Volume level appears.

VOL 20

USER

Volume level indicator

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.

➎ **Adjust the sound as you want. (See page 14.)**

To drop the volume in a moment (ATT) To restore the sound, press it again.	⏻/I/ATT
To turn off the power	⏻/I/ATT Hold....

Basic settings

• See also "General settings — PSM" on pages 15 and 16.

1

Hold.... SEL

2
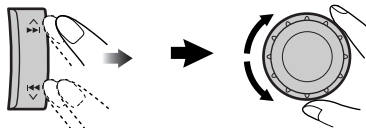
⏻ **Canceling the display demonstrations**
Select "DEMO," then "DEMO OFF."

⏼ **Setting the clock**
Select "CLOCK H" (hour), then adjust the hour.
Select "CLOCK M" (minute), then adjust the minute.

3 Finish the procedure.

SEL

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

Radio operations

➊ FM1/FM2/FM3/AM

➋ BAND ►/❚❚ → FM1 → FM2 → FM3 → AM

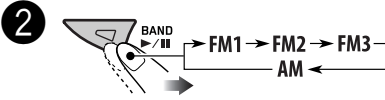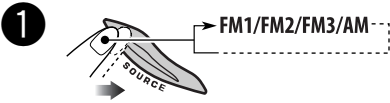Lights up when receiving an FM stereo broadcast with sufficient signal strength.

FM1 88.3 ST USER

Selected band appears.

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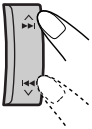
When a station is received, searching stops.
To stop searching, press the same button again.

To tune in to a station manually

In step ➌ above...

1 Hold....

FM1 92.5 M USER
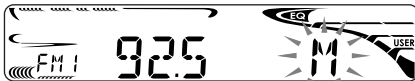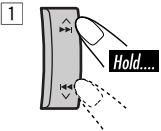
2 **Select a desired station frequency.**
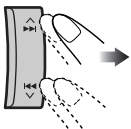
When an FM stereo broadcast is hard to receive

MODE M ➡ 8 MO 2

MONO MO USER

Lights up when monaural mode is activated.

Reception improves, but stereo effect will be lost.

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

Storing stations in memory

You can preset six stations for each band.

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

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

BAND ►/❚❚ → FM1 → FM2 → FM3 → AM

2 MODE M

3 9 SSM 3 Hold.... SSM

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

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

8

■ Manual presetting

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

1 ► FM1 → FM2 → FM3 ┐
└── AM ◄──┘

2   FM1 92.5

3   P4 92.5

Preset number flashes for a while.

Listening to a preset station

1 ► FM1 → FM2 → FM3 ┐
└── AM ◄──┘

2 Select the preset station (1 – 6) you want.
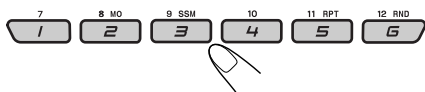
To check the other information while listening to an FM or AM station

  DISP → Clock ↔ Frequency

Disc operations

Playing a disc in the unit ■■■
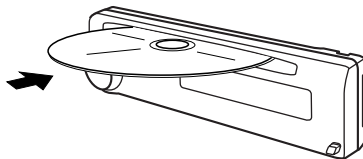
All tracks will be played repeatedly until you change the source or eject the disc.
• If a disc menu appears on the monitor while playing a VCD with PBC, see page 11.

Before performing any operations, make sure the following....
• Turn on the monitor and select the appropriate monitor input before playing a VCD.
• If you turn on the monitor, you can also control the MP3/WMA playback by referring to the monitor screen (see page 12).
• Select the video system suitable for your monitor (see page 16).

To stop play temporarily	
To resume playback, press the button again	
To stop play and eject the disc	

Playing discs in the CD changer ■■

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

❶ ► CD-CH* (or EXT IN) →

* If you have changed the external input setting to "EXT IN" (see page 16), you cannot select the CD changer.

9

② **Select a disc.**
For disc number from 01 – 06:

For disc number from 07 – 12:
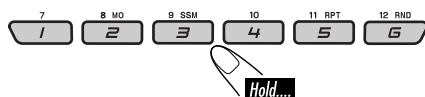
About MP3 and WMA discs

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

About the CD changer

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

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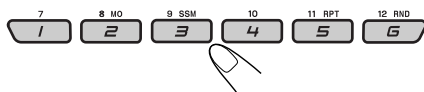- You cannot use the CH-X99, CH-X100, and KD-MK series CD changers with this unit.
- You cannot control and play any WMA or VCD disc in the CD changer.
- Disc text information recorded in the CD Text can be displayed when a JVC CD Text compatible CD changer is connected.
- For connection, see Installation/Connection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

To fast-forward or reverse the track

To go to the next or previous tracks

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

For MP3 discs:

For WMA discs:

1️⃣

2️⃣
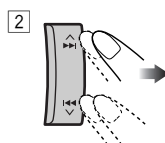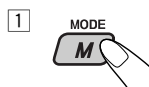
To locate a particular track (for CD or VCD with PBC set to "PBC OFF") or folder (for MP3 or WMA discs) directly

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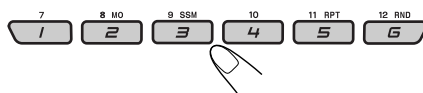
To select a number from 07 – 12:
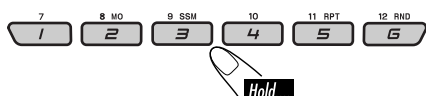
- To use direct folder access on MP3/WMA discs, it is required that folders are assigned with 2-digit numbers at the beginning of their folder names—01, 02, 03, and so on.

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

10
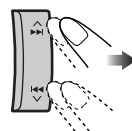
Playback Control (PBC) operations

This operation is only possible when using the remote controller.

1 **While playing a VCD....**
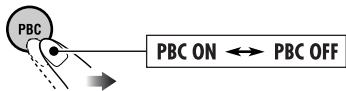
PBC ON ←→ PBC OFF

PBC ON	: A menu appears on the monitor.
PBC OFF	: Cancels.

• A menu may be a list of items, submenus, or some moving pictures.

2 **Select the item you want.**
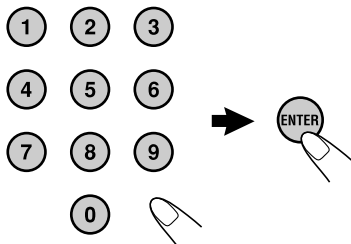
• To select an item from the submenus, repeat this step.

The selected item starts playback automatically.

To correct a mis-entry and to return to the previous menu

On-Screen (OSD) information

This operation is only possible when using the remote controller.

You can check the track number and elapsed playing time if the monitor is turned on.

While playing a disc....

• To turn off the On-Screen Display, press the button again.

Current/total track number

03 / 05   00 : 30

Elapsed playing time
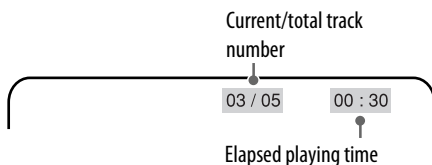
Selecting the audio channel

This operation is only possible when using the remote controller.

You can select the audio channel to play. (This is convenient when playing a Karaoke VCD.)
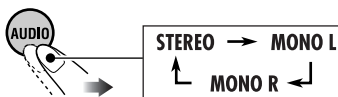
STEREO → MONO L
       ↳ MONO R ↵

STEREO	: To listen to normal stereo (left/right) playback.
MONO L	: To listen to the L (left) audio channel.
MONO R	: To listen to the R (right) audio channel.

• The audio channel is automatically set to "STEREO" when you change the disc or source.

11

MP3/WMA control screen operations

You can also control the playback of an MP3/
WMA disc by referring to the monitor.
• The control screen automatically appears on the
  monitor when you insert an MP3/WMA disc.
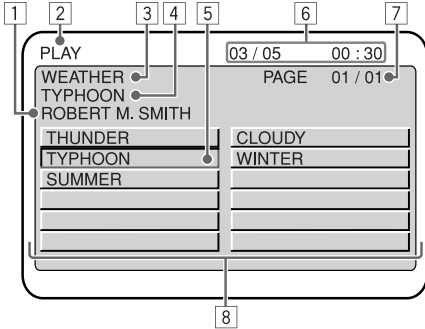
1 Artiste name* (only for MP3 discs)
   • The artiste name will scroll on the
     monitor if it cannot be shown at a time.
2 Operation mode—PLAY, PAUSE,
   FF (fast-forward), FR (fast-reverse),
   SELECT (selected track number), REPEAT
   TRACK, REPEAT FOLDER, REPEAT OFF,
   RANDOM FOLDER, RANDOM DISC,
   RANDOM OFF
   • Operation mode appears for a while on
     the monitor.
3 Folder name*
4 Track title* (only for MP3 discs)
   • The track title will scroll on the monitor if
     it cannot be shown at a time.
5 Highlighted bar for the current file name*
6 OSD indication—Current/total track
   number, Elapsed playing time
   • Appears only if you turn on the OSD (see
     page 11).
7 Current list/total list number
8 Track list
   • The monitor can show 12 tracks at a time
     and a maximum of 239 tracks for a disc.

* *Some symbols will not be shown (and will be
  substituted or blanked) on the control screen.*

To select a folder
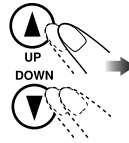
To select a track
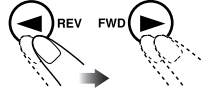
• Pressing these buttons
  repeatedly can also
  select tracks from the
  previous/next folders.

• See also page 10 for using the buttons on the
  control panel to select a folder or track.

Selecting the playback modes

You can use only one of the following playback
modes at a time.
• For VCD: While PBC (see page 11) is not in
  use.

1

2 Select your desired playback mode.

■ **Repeat play**

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

■ **Random play**

12 RND

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

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

Other main functions

■ **Changing the display information**

DISP

■ **While playing an audio CD, a CD Text, or a VCD with PBC set to "PBC OFF" (see page 11)**

A ──→ Disc title / performer[*3]

↑ ↓

B ←── Track title[*3] (🎵)

■ **While playing an MP3 or a WMA**[*4] **disc**

- **Only for MP3 disc : When "TAG DISP" is set to "TAG ON" (see page 16)**

A ──→ Album name / performer (folder name[*5]) (TAG📁)

↑ ↓

B ←── Track title (file name[*5]) (TAG🎵)

- **For MP3 disc : When "TAG DISP" is set to "TAG OFF"**
- **For WMA disc :**

A ──→ Folder name (📁)

↑ ↓

B ←── File name (🎵)
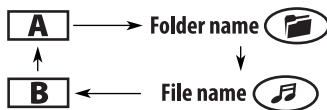
A : **Clock with the current track number**
B : **Elapsed playing time with the current track number**

*3 *If the current disc is an audio CD or a VCD, "NO NAME" appears.*
*4 *Only for the built-in CD player.*
*5 *If an MP3 file does not have Tag information, folder name and file name appear. In this case, the TAG indicator will not light up.*

■ **Prohibiting disc ejection**

You can lock a disc in the loading slot.

SOURCE + ⏏
Hold....

DISC 〓 EQ

NO EJECT
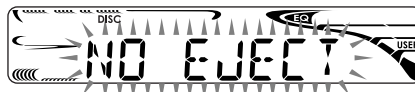
USER

To cancel the prohibition, repeat the same procedure.

Sound adjustments

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

EQ → USER → ROCK → CLASSIC → JAZZ ← HIP HOP ← POPS ←
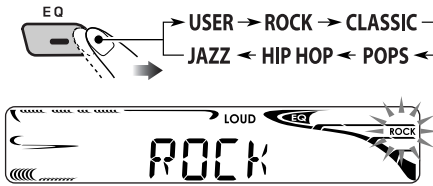
Ex.: When "ROCK" is selected

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

Adjusting the sound

You can adjust the sound characteristics to your preference.

1

SEL → BAS → TRE → FAD — VOL ← LOUD ← BAL ←

2
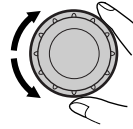
Indication [Range]

BAS^{*1} (bass)
Adjust the bass. [−06 to +06]

TRE^{*1} (treble)
Adjust the treble. [−06 to +06]

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

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

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

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

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

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

$*3$ *Depending on the amplifier gain control setting. (See page 16 for details.)*

General settings — PSM

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

1

Hold.... SEL

2 Select a PSM item.

FM1 DIMMER
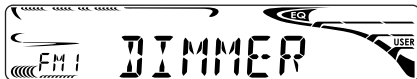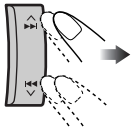
Ex.: When "DIMMER" is selected

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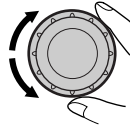
4 Repeat steps **2** and **3** to adjust other PSM items if necessary.

5 Finish the procedure.

SEL

Indications	Selectable settings, [reference page]	
DEMO Display demonstration	**DEMO ON** :	*[Initial]*; Display demonstration will be activated automatically if no operation is done for about 20 seconds, [7].
	DEMO OFF :	Cancels.
CLOCK H Hour adjustment	1 – 12, [7] *[Initial: 1 (1:00)]*	
CLOCK M Minute adjustment	00 – 59, [7] *[Initial: 00 (1:00)]*	
DIMMER Dimmer	**ON** : **OFF** :	Dims the display illumination of this unit. *[Initial]*; Cancels.
TEL Telephone muting	**MUTING 1/MUTING 2 :**	Select either one which mutes the sounds while using a cellular phone.
	OFF :	*[Initial]*; Cancels.
SCROLL*1 Scroll	**ONCE** : **AUTO** : **OFF** :	*[Initial]*; Scrolls the disc information once. Repeats scrolling (5-second intervals in between). Cancels.
	• Pressing DISP for more than one second can scroll the display regardless of the setting.	

Continued on the next page...

Indications	Selectable settings, [reference page]	
TAG DISP Tag display	**TAG ON**	**:** *[Initial];* Shows the Tag information while playing MP3 tracks, [13].
	TAG OFF	**:** Cancels.
AMP GAIN Amplifier gain control	You can change the maximum volume level of this unit.	
	LOW PWR	**:** VOL 00 – VOL 30 (Select this if the maximum power of the speaker is less than 50 W to prevent them from being damaged.)
	HIGH PWR	**:** *[Initial];* VOL 00 – VOL 50
VIDEO Video system	**PAL**	**:** *[Initial];* Select this if your monitor is of the PAL color system.
	NTSC	**:** Select this if your monitor is of the NTSC color system.
	• Press SEL to activate the selection before you select the other PSM items to adjust.	
EXT IN[*2] External input	**CHANGER**	**:** *[Initial];* To use a JVC CD changer, [9], an Apple iPod or a JVC D. player, [17].
	EXT IN	**:** To use any other external component than the above, [19].

[*1] *Some characters or symbols will not be shown correctly (or will be blanked) on the display.*
[*2] *Displayed only when one of the following sources is selected—FM, AM, DISC, or LINE IN.*

iPod®/D. player operations

This unit is ready for operating an Apple iPod or a JVC D. player from the control panel.

Before operating your iPod or D. player:
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.

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

Caution:

Make sure to turn off this unit or turn off the vehicle's ignition switch before connecting or disconnecting the iPod or D. player.
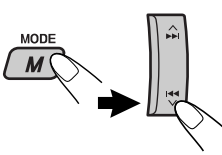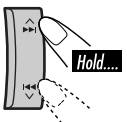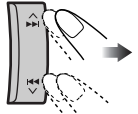
Preparations:
Make sure "CHANGER" is selected for the external input setting, see page 16.

❶ ⏻/I/ATT

❷ IPOD/D.PLAYER →

Playback starts automatically from where it has been paused*¹ or stopped*² previously.

❸ **Adjust the volume.**
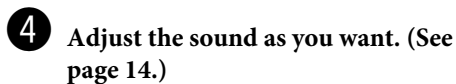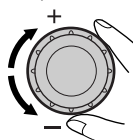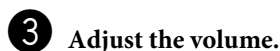
❹ **Adjust the sound as you want. (See page 14.)**
• Make sure the equalizer on the iPod or D. player is deactivated.

To pause*¹ **or stop***² **playback** To resume playback, press ∨ |◀◀ after pressing M MODE.	
To fast-forward or reverse the track	*Hold....*
To go to the next or previous tracks	

*¹ *For iPod*
*² *For D. player*

Selecting a track from the menu

1 MODE
M

2 Enter the main menu.

Now the ▲/▼/ ∨ |◀◀ /▶▶| ∧ buttons work as the menu selecting buttons*³.
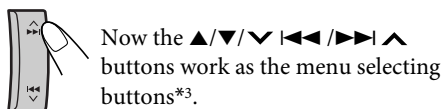
3 Select the desired menu.
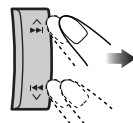
For iPod:
PLAYLIST ↔ ARTISTS ↔ ALBUMS ↔ SONGS ↔ GENRES ↔ COMPOSER ↔ (back to the beginning)

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

4 Confirm the selection.
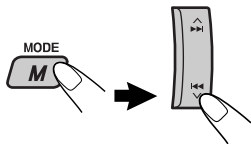
To move back to the previous menu, press
▶▶Ⅰ ∧ after pressing M MODE.

- If a track is selected, playback starts
  automatically.
- If the selected item has another layer, you
  will enter the layer. Repeat steps **3** and **4**
  until the desired track is played.
- Holding ∨ Ⅰ◀◀ /▶▶Ⅰ ∧ can skip 10
  items at a time.

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

Selecting the playback modes

1
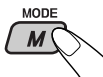
2 Select your desired playback mode.

■ **Repeat play**

ONE RPT (RPT)
Functions the same as "Repeat One" of
the iPod or "Repeat Mode → One" for the
D. player.

ALL RPT (●) (RPT)
Functions the same as "Repeat All" of
the iPod or "Repeat Mode → All" for the
D. player.

RPT OFF
Cancels.

■ **Random play**

ALBM RND*4 (RND) (▢)
Functions the same as "Shuffle Albums" of
the iPod.

SONG RND/**RND ON** (RND)
Functions the same as "Shuffle Songs" of
the iPod or "Random Play → On" of the
D. player.

RND OFF
Cancels.

*4 *For iPod: Only if you select "ALL" in*
   "ALBUMS" of the main "MENU."

To check the other information while listening to an iPod or a D. player

Other external component operations

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

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

For listening to the iPod or D. player, refer to pages 17 and 18.

❶ EXT IN → LINE IN →
(or CD-CH)

If "EXT IN" does not appear, see page 16 and select the external input ("EXT IN").

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

❸ Adjust the volume.

+

−
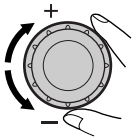
❹ Adjust the sound as you want. (See page 14.)

To check the other information while listening to an external component

DISP

Clock ⟷ EXT IN

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.
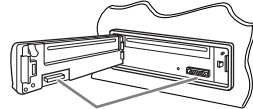
Connector

▮ Moisture condensation

Moisture may condense on the lens inside the VCD/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 VCD/CD player may malfunction. In this case, eject the disc and leave the unit turned on for a few hours until the moisture evaporates.

▮ How to handle discs

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

Center holder

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

■ To keep discs clean

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

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

■ To play new discs

New discs may have some rough spots around the inner and outer edges. If such a disc is used, this unit may reject the disc.

To remove these rough spots, rub the edges with a pencil or ball-point pen, etc.

Do not use the following discs:

Warped disc

Sticker   Sticker residue

Stick-on label
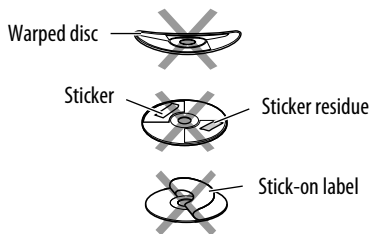
More about this unit

Basic operations

Turning on the power

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

Turning off the power

- If you turn off the power while listening to a disc, disc play will start from where playback has been stopped previously, next time you turn on the power.
- For MP3/WMA discs, playback will start from the beginning of the last playing track.

Tuner operations

Storing stations in memory

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

Disc operations

Caution for DualDisc playback

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

General

- This unit has been designed to reproduce CDs/CD Texts, and CD-Rs (Recordable)/ CD-RWs (Rewritable) in audio CD (CD-DA), MP3 and WMA formats.
- This unit cannot playback SVCD, DVDs, CD-Gs, or CD-I discs.

Inserting a disc

- When a disc is inserted upside down, the disc automatically ejects.
- Do not insert 8 cm discs (single CD) and unusual shape discs (heart, flower, etc.) into the loading slot.

Playing a disc

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

Playing a CD-R or CD-RW

- Use only "finalized" CD-Rs or CD-RWs.
- This unit can play back only files of the same type which are first detected if a disc includes both audio CD (CD-DA) files and MP3/WMA files.
- This unit can play back multi-session discs; however, unclosed sessions will be skipped while playing.
- Some CD-Rs or CD-RWs may not play back on this unit because of their disc characteristics, or for the following reasons:
  – Discs are dirty or scratched.
  – Moisture condensation occurs on the lens inside the unit.
  – The pickup lens inside the unit is dirty.
  – CD-R/CD-RW on which the files are written with "Packet Write" method.
  – There are improper recording conditions (missing data, etc.) or media conditions (stained, scratched, warped, etc.).
- CD-RWs may require a longer readout time since the reflectance of CD-RWs is lower than that of regular CDs.
- Do not use the following CD-Rs or CD-RWs:
  – Discs with stickers, labels, or a protective seal stuck to the surface.
  – Discs on which labels can be directly printed by an ink jet printer.
  Using these discs under high temperatures or high humidities may cause malfunctions or damage to the unit.

Playing a VCD disc

- The PBC function is not available for some VCDs.
- The PBC function is automatically canceled when you change the source or turn off the unit. Playback starts from the beginning of the dics when you play the VCD again.
- The On-Screen Display (OSD) will automatically canceled when you change the source or turn off the unit.

Playing an MP3/WMA disc

- This unit can play back MP3/WMA files with the extension code <.mp3> or <.wma> (regardless of the letter case—upper/lower).
- This unit can show the names of albums, artists (performer), and Tag (Version 1.0, 1.1, 2.2, 2.3, or 2.4) for MP3 files.
- This unit can display only one-byte characters. No other characters can be correctly displayed.
- This unit can play back MP3/WMA files meeting the conditions below:
  – Bit rate: MP3: 32 kbps — 320 kbps
  　　　　　WMA: 48 kbps — 192 kbps
  – Sampling frequency:
  　48 kHz, 44.1 kHz, 32 kHz (for MPEG-1)
  　24 kHz, 22.05 kHz, 16 kHz (for MPEG-2)
  　48 kHz, 44.1 kHz, 32 kHz (for WMA)
  – Disc format: ISO 9660 Level 1/Level 2, Romeo, Joliet, Windows long file name
- The maximum number of characters for file/folder names vary among the disc format used (includes 4 extension characters—<.mp3> or <.wma>).
  – ISO 9660 Level 1: up to 12 characters
  – ISO 9660 Level 2: up to 31 characters
  – Romeo: up to 40 characters
  – Joliet: up to 40 characters
  – Windows long file name: up to 40 characters

- This unit can play back files recorded in VBR (variable bit rate).
  Files recorded in VBR have a discrepancy in elapsed time display, and do not show the actual elapsed time. Especially, after performing the search function, this difference becomes noticeable.
- This unit can recognize a total of 512 files, of 200 folders, and of 8 hierarchies.
- This unit cannot play back the following files:
  - MP3 files encoded with MP3i and MP3 PRO format.
  - MP3 files encoded in an inappropriate format.
  - MP3 files encoded with Layer 1.
  - WMA files encoded with lossless, professional, and voice format.
  - WMA files which are not based upon Windows Media® Audio.
  - WMA files copy-protected with DRM.
  - Files which have the data such as WAVE, ATRAC3, etc.
- The search function works but search speed is not constant.

Changing the source

- If you change the source, playback also stops (without ejecting the disc).
  Next time you select "DISC" for the playback source, disc play starts from where it has been stopped previously.
- For MP3/WMA discs, playback will start from the beginning of the last playing track.

Ejecting a disc

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

General settings—PSM

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

iPod® or D. player operations

- When you turn on this unit, the iPod or D. player is charged through this unit.
- While the iPod or D. player is connected, all operations from the iPod or D. player are disabled. Perform all operations from this unit.
- If the text information includes more than 8 characters, it scrolls on the display (see also page 15). 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>

Troubleshooting

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

	Symptoms	Remedies/Causes
General	• Sound cannot be heard from the speakers.	• Adjust the volume to the optimum level. • Check the cords and connections.
	• The unit does not work at all.	Reset the unit (see page 2).
FM/AM	• SSM automatic presetting does not work.	Store stations manually.
	• Static noise while listening to the radio.	Connect the antenna firmly.
Disc playback	• Disc automatically ejects.	Insert the disc correctly.
	• CD-R/CD-RW cannot be played back. • Tracks on the CD-R/CD-RW cannot be skipped.	• Insert a finalized CD-R/CD-RW. • Finalize the CD-R/CD-RW with the component which you used for recording.
	• Disc can be neither played back nor ejected.	• Unlock the disc (see page 13). • 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 DISC" appears on the display.	Insert a playable disc into the loading slot.
	• No playback picture 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.
MP3/WMA playback	• Disc cannot be played back.	• Use a disc with MP3/WMA tracks recorded in the format compliant with ISO 9660 Level 1, Level 2, Romeo, or Joliet. • Add the extension code <.mp3> or <.wma> to the file names.
	• Noise is generated.	Skip to another track or change the disc. (Do not add the extension code <.mp3> or <.wma> to non-MP3 or WMA tracks.)
	• A longer readout time is required ("CHECK" keeps flashing on the display).	Do not use too many hierarchies and folders.
	• Tracks do not play back in the order you have intended them to play.	Playback order is determined when the files are recorded.
	• Elapsed playing time is not correct.	This sometimes occurs during play. This is caused by how the tracks are recorded on the disc.
	• "NO FILES" appears on the display.	Insert a disc that contains MP3/WMA tracks.
	• Correct characters are not displayed (e.g. album name).	This unit can only display letters (upper case), numbers, and a limited number of symbols.

	Symptoms	Remedies/Causes
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).
iPod/D. player playback	• The iPod or D. player does not turn on or does not work.	• Check the connecting cable and its connection. • Update the firmware version. • Change the battery.
	• Buttons do not work as intended.	The functions of the buttons have been changed. Press MODE before performing the operation.
	• The sound is distorted.	Deactivate the equalizer either on the unit or the iPod/D. player.
	• "NO IPOD" or "NO DP" appears on the display.	Check the connecting cable and its connection.
	• Playback stops.	The headphones are disconnected during playback. Restart the playback operation using the control panel (see page 17).
	• No sound can be heard when connecting an iPod nano.	Disconnect the headphones from 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 the 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.

Specifications

◼ AUDIO AMPLIFIER SECTION

Maximum Power Output:
    Front: 50 W per channel
    Rear: 50 W per channel
Continuous Power Output (RMS):
    Front: 19 W per channel into 4 Ω, 40 Hz
              to 20 000 Hz at no more than 0.8%
              total harmonic distortion.
    Rear: 19 W per channel into 4 Ω, 40 Hz
              to 20 000 Hz at no more than 0.8%
              total harmonic distortion.
Load Impedance: 4 Ω (4 Ω to 8 Ω allowance)
Tone Control Range:
    Bass: ±10 dB at 100 Hz
    Treble: ±10 dB at 10 kHz
Frequency Response: 40 Hz to 20 000 Hz
Signal-to-Noise Ratio: 70 dB
Line-Out Level/Impedance:
    2.5 V/20 kΩ load (full scale)
Output Impedance: 1 kΩ
Other Terminal: LINE IN, CD changer

◼ VIDEO SECTION

Color system: PAL/NTSC
Video output (composite): 1 Vp-p/75 Ω

◼ TUNER SECTION

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

[FM Tuner]

Usable Sensitivity: 11.3 dBf (1.0 μV/75 Ω)
50 dB Quieting Sensitivity:
    16.3 dBf (1.8 μV/75 Ω)
Alternate Channel Selectivity (400 kHz): 65 dB
Frequency Response: 40 Hz to 15 000 Hz
Stereo Separation: 30 dB

[AM Tuner]

Sensitivity: 20 μV
Selectivity: 35 dB

◼ VCD/CD PLAYER SECTION

Type: Compact disc player
Signal Detection System: Non-contact optical
pickup (semiconductor laser)
Number of Channels: 2 channels (stereo)
Frequency Response: 5 Hz to 20 000 Hz
Dynamic Range: 96 dB
Signal-to-Noise Ratio: 98 dB
Wow and Flutter: Less than measurable limit
MP3 Decoding Format:
    MPEG1/2 Audio Layer 3
    Max. Bit Rate: 320 kbps
WMA (Windows Media® Audio) Decoding
Format:
    Max. Bit Rate: 192 kbps

◼ GENERAL

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

*Design and specifications are subject to change
without notice.*

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  registered trademarks or trademarks of
  Microsoft Corporation in the United States
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Having TROUBLE with operation?
Please reset your unit
Refer to page of How to reset your unit

JVC